

## Conversation Record

July 2, 2014

### Summary:


Ms. Brandi Crawford-Johnson called me 10:05 a.m. to discuss her September 2013 tip/complaint regarding Midwest Training Services/Midwest Construction. I returned her call at 11:09 a.m.

Ms. Crawford wanted to know if EPA planned to pursue enforcement action against Midwest Construction for violations of the RRP Rule. She stated that the contractor failed to use lead safe work practices when conducting lead-based paint activities at her property located at 915 North Park Street, Kalamazoo, Michigan.

I explained that after reviewing the information in the case file, which included a copy of the proposal, EPA concluded that the intent of the work was abatement – not RRP.

### Action Required:

EPA does not plan to pursue any enforcement action under the RRP Rule and that this matter is considered closed.



Pamela Grace  
EPS/Enforcement Officer  
Pesticides & Toxics Compliance Section







**5150 Report of a Tip/Complaint Inspection to Determine Compliance With  
The Renovation, Repair, and Painting Program Rule  
40 CFR 745 Subpart E – Residential Property Renovation**

**Midwest Construction/Midwest Training Services  
c/o Mr. Joseph Fehler  
16850 120<sup>th</sup> Avenue Suite B  
Nunica, Michigan 49448**

**9-09-2013**

**File Number: 13TL425  
ICIS Programmatic ID:**

**Performed by:  
U.S. Environmental Protection Agency  
Region 5  
Land and Chemicals Division  
Chemicals Management Branch  
77 West Jackson Boulevard  
Chicago, Illinois 60604**



1. **PURPOSE OF INSPECTION**

To determine compliance with Section 402(c)(3) of the Toxics Substances Control Act: Renovation, Repair and Painting Rule, codified at 40 CFR Part 745.

2. **TIP/COMPLAINT REVIEW**

The inspection was a result of a tip and complaint from Ms. Brandi Crawford-Johnson sent to Ms. Julie Morris team leader and then to me. Ms. Brandi Crawford-Johnson of 915 North Park Street, Kalamazoo, Michigan 49007, stated that Midwest Construction did window replacement, siding, deck, counters, toilet work, bathroom showers, wall repair, flooring and scrapping and painting work on the pre-1978 house (1900) and did not follow any proper work practices and did not clean up the lead paint chip debris located all around the building.

Information to this tip and complaint was also provided by Mr. James Copeland, Compliance Officer, MDCH-Healthy Homes Section, who stated this maybe a lead abatement project even when Midwest Construction tried to claim as a RRP project? See tip and complaint documents plus photos (Attachment A).

3. **EPA INSPECTOR**

Edward R. Pilny (312) 886-0206

4. **INFORMATION REQUEST LETTER**

Information Request Letter was sent to Midwest Training Services/Midwest Construction on September 18, 2013. See (Attachment B).

5. **LOCATION**

Work site were work was conducted is 915 North Park Street, Kalamazoo, Michigan 49007 a single family pre-1978 house (1900).

6. **FACILITY INFORMATION**

Midwest Training Services/Midwest Construction  
c/o Mr. Joseph Fehler  
16850 120<sup>th</sup> Avenue, Suite B.  
Nunica, Michigan 49448  
(616) 837-0000  
(231) 206-3569 cell number



EPA Firm Certification

7. **BACKGROUND INFORMATION**

8. **RENOVATOR(S)**

9. **REGULATORY HISTORY**

Table 1: Regulatory notices of properties built before 1978<sup>1</sup>

PROPERTY ADDRESS	REGULATORY NOTICE	ISSUED BY	NOTICE DESCRIPTION
915 North Park Street, Kalamazoo, Michigan 49007.	Administrative Settlement with Midwest Builders and Michigan Department of Community Health (MDCH)  Citation of Violations and Enforcement Actions	MDCH regarding nine (9) violations and the Admini- strative Settlement.	See (Attachment D) for complete information regarding the Citation of Violations and Enforcement Action taken.



10. RECORDS REVIEW

ADDRESS	WORK PERFORMED	DATE OF CONTRACT	DATE WORK PERFORMED	AGE OF PROPERTY	

11. POST INSPECTION

**Note: On 9-23-2013 EPA received the green receipt card showing that the IRL was delivered on 9-20-2013. See (Attachment C).**

**Note: On 10-21-2013, EPA received a telephone call at 9:26 a.m., from Mr. Joseph Fehler, (231) 206-3569, cell number of Midwest Training Services/Midwest Construction stating that his company is certified as a firm and they have certified renovators on staff. In addition he stated that he plans to comply with IRL but would like some additional time to be able to collect and send documents. A new date of 10-28-2013 was set?**

12. ATTACHMENTS

- A. Tip and Complaint Documents and photos.
- B. Copy of Information Request Letter and Questionnaire sent on 9-18-2013.
- C. Green receipt card showing that IRL delivered on 9-20-2013.
- D. Documents showing Administrative Settlement between Midwest Builders and Michigan Department of Community Health (MDCH) regarding Citation of Violations and Enforcement Actions.

Inspector's Signature: \_\_\_\_\_

Date: \_\_\_\_\_



\*\*\*\*\*ENFORCEMENT SENSITIVE\*\*\*\*\*  
EXEMPT FROM FOIA  
SUMMARY OF REPORT OF RRP COMPLIANCE INSPECTION

**FACILITY**

Midwest Training Services/Midwest Construction  
c/o Mr. Joseph Fehler  
16850 120<sup>th</sup> Avenue, Suite B.  
Nunica, Michigan 49448  
(616) 837-0000  
(231) 206-3569 cell number

**INSPECTOR(S)**

Edward R. Pilny (312) 886-0206

**DATE OF INSPECTION**

9-09-2013

**FILE#**

13TL425

**SUMMARY OF POTENTIAL VIOLATIONS/NON-COMPLIANCE**

Note: Since October 20, 2013, EPA has not heard from Midwest Construction/ Midwest Training Services or received any response documents showing that their firm is certified and they have certified renovators as they claimed they have?  
Even upon checking out the tip and complaint case with the Michigan's MDCH-Healthy Homes Section and finding out that this complaint is considered a lead abatement project and they have stated that they are in the works settlement with Michigan Training Services? It will be up to the case officer to determine if a RRP case can be made regarding other work that they conduct under the RRP rules and regulations?

Inspector's Signature: \_\_\_\_\_

Date: \_\_\_\_\_







## ATTACHMENT A







## Pilny, Edward

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**From:** Morris, Julie  
**Sent:** Monday, September 09, 2013 8:30 AM  
**To:** Pilny, Edward  
**Subject:** FW: Completed Questionnaire - Brandi Crawford- Contractor RRP EPA

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**From:** Brandi Crawford-Johnson [mailto:bcrawfordkc@gmail.com]  
**Sent:** Friday, September 06, 2013 7:18 PM  
**To:** Morris, Julie  
**Subject:** Completed Questionnaire - Brandi Crawford- Contractor RRP EPA

### US. EPA REGION 5 RESIDENTIAL PROPERTY RENOVATION QUESTIONNAIRE

At your request, the U.S. Environmental Protection Agency, Region 5, is providing these questions about your contractor's compliance with regulations developed under the Toxic Substances Control Act for renovations performed for compensation in target housing and child-occupied facilities.

Please understand your response to these questions is completely voluntary. You may respond to this request by answering in the space provided after each question. If you need additional space, please use the backs of these pages, and indicate the question number that you are responding to. Your response should be signed and mailed to:

Lead Enforcement Coordinator  
Pesticides and Toxics Compliance Section  
U.S. EPA Region 5 (LC-8J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Please answer the following questions:

1. What is the address of the property where the work occurred?

915 N. Park St., Kalamazoo, MI 49007

2. When did you move into the property identified in question #1? June 19, 2013. After renovation was complete. Lived in it before renovations started.

3. Do you still live at the address identified in question #1? Yes.

4. If you do not presently live at the address identified in question #1, when did you move from that address and what is your present address? Same address.

5. How old is the property identified in question #1? How do you know this information? 1900. 113 years old. From property records when I bought it.

6. Has the property undergone work recently (in which you paid a contractor) where windows were replaced, or 6 sq. feet of paint was disturbed inside the home, or 20 sq. feet of paint was disturbed on the exterior of the home? If so, please describe the renovation work performed. Windows, siding, deck, counters, toilets, bathroom shower, wall repair, flooring, outlets, electrical.



7. Please give the name, address and phone number of the contractor(s) or company that performed the work.  
Mike and Joseph Fehler Midwest Builders/Midwest Training

P.O. Box 67  
Nunica, MI 49448  
(616) 837-0000  
616-837-0000 or 616-837-6005  
616-837-6656=Fax #  
Midwestbox67@aol.com = Email

8. Please give the approximate dates the work described in question #6 took place. 5/2013- 6/2013

9. Were you provided an estimate and/or contract for this work on company letterhead? Please provide a copy.  
Yes.

10. How did you pay for this recent work, cash, credit, or by check? Were you provided a receipt or have a canceled check? Please provide a copy (you may strikeout account or credit card numbers, otherwise EPA will consider such information as personal private information and treat it as such). Yes. 3 Cashiers checks from PNC Bank.

11. Did you receive any information about lead-based paint or lead-based paint hazards from the contractor that performed the work? Yes.

12. Do you have any reason to believe the contractor knew of the presence of lead at this property prior to your entering a verbal or written work order? If so, please state the reason for this belief. Yes. The State gave him specs and used xray guns to test. They gave him the report. He just said it was a federal job not a state job. He based his bid off state lead testing though.

13. Did the contractor test to determine whether lead-based paint was present on components affected by renovation? If so, did the contractor provide you with the results? Please provide a copy if available. He hired a clearance company. They are coming to retest because they feel they were not accurate.

14. Were you provided an EPA pamphlet titled Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools prior to the start of work described in question #6? Yes.

15. Did the contractor have you sign a statement that you received the Renovate Right pamphlet? Yes.

16. Were you provided documentation that a certified renovator was assigned to the project from the company and this certified renovator provided on- the-job-training for workers used on the project? What is the name of the certified renovator? Yes. Midwest Builders/ Midwest Training

17. Did you observe the contractor post signs defining the work area? If so, please describe. Yes. Yellow warning tape across the front of my yard.

18. Did the contractor isolate the work area so that no dust or debris left the work area? If so, please describe what the contractor did to isolate the area, and provide photographs, if available. He did not. Everything was open.

19. For interior renovations, what did the contractor do to protect your furniture, floors, and wall coverings where the work was being performed? Nothing.



20. For interior renovations, did the contractor put down plastic sheeting or other material to cover the work area? Please describe. Did the sheeting contain the dust and debris from the project? He did put some down but not everywhere and it did contain debris.

21. For exterior renovations, did the contractor close the doors and windows around the work area? Please describe if and/or where doors and windows were left open around the work being done. Doors were left open frequently. My husband even confronted the supervisor because when he came to check the mail the doors were open when the workers were at lowes getting supplies. The workers wanted to fight my husband because they were mad he caught them. Anyone could have come in my home.

22. For exterior renovations, did the contractor put down plastic sheeting or other material to cover the work area? Please describe. Did the sheeting contain the dust and debris from the project? No. Pictures with last email.

23. What kind of cleanup did the company perform at the end of each work day? They just cleaned up their tools and left.

24. How did the company handle the debris from the renovation? They threw them all over my yard. Did not use plastic sheeting. They did not use Hepa vac or runners in my home. Tracked lead dust in and out. I did confront them on all of this.

25. What kind of final cleanup did the company perform? Was dust, debris, or other residue left after the cleaning? Please describe. If you have any photographs of the work area, please provide. No cleanup. Left lead paint chips in yard and didnt collect their things or. Wood debris were left behind as well.

26. Did you have children living with you at the property identified in question #1? If so, please provide the ages of the children during that time.

27. Were any of the children tested for the presence of lead in their blood? If so, what were the results? Was the lead testing a finger prick test or a venous blood draw? Please provide a copy of the test report(s). Yes. My 8 year old son, Thomas Crawford. Test results provided in prior email.

28. Please provide any additional statements, photographs, or documents which you believe are important to this matter. Sent photographs and lead results in last email. Also I spoke with the clearance company and they said the contractor lied and said it wasnt a lead job and had no specs which clearly it was and I have the specs. The company is coming out to retest.

To the best of my knowledge, the statements and the documents which I have provided in response to these questions are true and accurate.

Signature: *Brandi Joy Crawford-Johnson* Date: September 6, 2013

Print Name: Brandi Crawford-Johnson

Phone or email: [bcrawfordkc@gmail.com](mailto:bcrawfordkc@gmail.com) 269 459-1386







## Pilny, Edward

---

**From:** Morris, Julie  
**Sent:** Monday, September 09, 2013 8:29 AM  
**To:** Pilny, Edward  
**Subject:** FW: Lead complaint

Ed,  
Please follow up on this tip/complaint, ID 2013-09-007. Several emails to follow.  
Thanks,  
Julie

---

**From:** Brandi Crawford-Johnson [<mailto:bcrawfordkc@gmail.com>]  
**Sent:** Friday, September 06, 2013 4:17 PM  
**To:** Morris, Julie  
**Subject:** Re: Lead complaint

Julie,  
Here is the link to the specs for my job with the Lead Safe Program. I will be sending the rest of the info shortly. [https://docs.google.com/file/d/1MsO3445rHNXhEZzUQKenpIs53T9v6Dzytj1\\_EWHoko-fwnAr\\_DDjh5WRSDfy/edit?usp=sharing](https://docs.google.com/file/d/1MsO3445rHNXhEZzUQKenpIs53T9v6Dzytj1_EWHoko-fwnAr_DDjh5WRSDfy/edit?usp=sharing)

Thank you,  
Brandi Crawford

On Fri, Sep 6, 2013 at 10:48 AM, Morris, Julie <[morris.julie@epa.gov](mailto:morris.julie@epa.gov)> wrote:

Dear Ms. Crawford,

We appreciated you contacting our Agency concerning your complaint against your contractor.

Enclosed is a questionnaire for your response concerning compliance with regulations developed under sections 402 and 406 of the Toxic Substances Control Act (15 U.S.C. 2682 and 2686) and applies to all renovations performed for compensation in target housing and child-occupied facilities. (Title 40: Protection of Environment; Part 745-Lead Based Paint Poisoning Prevention in Certain Residential Structures. Subpart E – Residential Property Renovation.)

Your response to the attached questions and any documents (contracts, photographs, etc.) which you provide may be used as evidence in an enforcement action which might result from this investigation. Please understand your response to the attached questions is completely voluntary. I am also asking that you please sign and date your response.



The renovate right pamphlet with information about renovation can be found here:

<http://www2.epa.gov/sites/production/files/documents/renovaterightbrochure.pdf>

Julie Morris, Team Leader

Pesticides & Toxics Compliance Section (LC-8J)  
U.S. Environmental Protection Agency  
77 West Jackson Blvd  
Chicago, Illinois 60604

Phone: [312.886.0863](tel:312.886.0863)

FAX: [312.692.2022](tel:312.692.2022)



**Pilny, Edward**

---

**From:** Morris, Julie  
**Sent:** Monday, September 09, 2013 8:29 AM  
**To:** Pilny, Edward  
**Subject:** FW: Pics of lead abatement workers not following EPA RRP compliance  
**Attachments:** 041 - Copy.JPG; 041.JPG; 042.JPG; 045.JPG

---

**From:** Brandi Crawford-Johnson [<mailto:bcrawfordkc@gmail.com>]  
**Sent:** Friday, September 06, 2013 6:28 PM  
**To:** Morris, Julie  
**Subject:** Pics of lead abatement workers not following EPA RRP compliance

Julie,

Here are the some of the pics. I am having my house retested Tuesday for lead again. They just threw the lead paint wood on the ground with no plastic cover amongst other things I will explain in questionnaire.

Thanks,  
Brandi Crawford







## Pilny, Edward

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**From:** Morris, Julie  
**Sent:** Monday, September 09, 2013 8:32 AM  
**To:** Pilny, Edward  
**Subject:** FW: Take a look at this

---

**From:** Brandi Crawford-Johnson [<mailto:bcrawfordkc@gmail.com>]  
**Sent:** Saturday, September 07, 2013 1:33 PM  
**To:** Morris, Julie  
**Subject:** Fwd: Take a look at this

----- Forwarded message -----

**From:** [bcrawfordkc@gmail.com](mailto:bcrawfordkc@gmail.com) <[bcrawfordkc@gmail.com](mailto:bcrawfordkc@gmail.com)>  
**Date:** Sat, Sep 7, 2013 at 2:25 PM  
**Subject:** Take a look at this  
**To:** [bcrawfordkc@gmail.com](mailto:bcrawfordkc@gmail.com)

Hi,

Mike talking about Lead and the job. This is my contractor. He knew how serious the Lead issue was. He said it on camera.

I thought you'd like this:  
<http://s.mlive.com/sID65ri>

"I've always wanted to live in the city since I was a little girl," said Crawford Johnson, 33, a Dowagiac native. "I always wanted to have one of those big porches to look out of since I was a little girl. I believe that God intended for me to buy this house."

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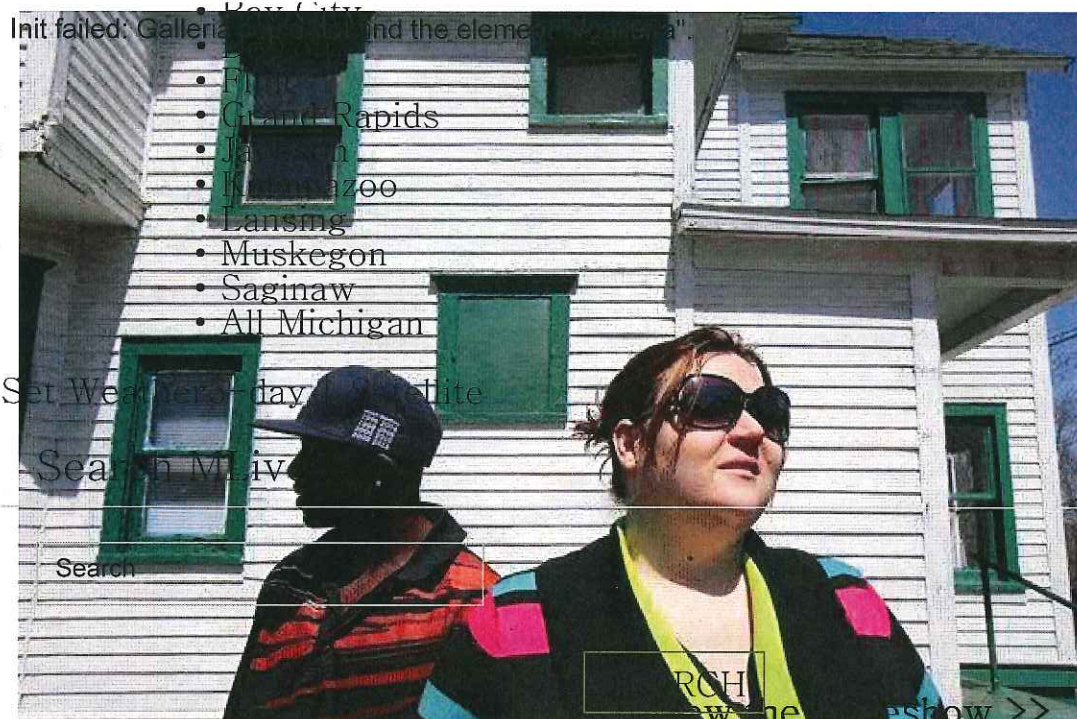
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Big yard, nice porch attracted Kalama.  
homeowner who won \$115,000 lead-p  
settlement, she says





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## KALAMAZOO,

MI -- Brandi

Crawford

Johnson

thought she had

bought her

dream home for

a steal.

**The two-story,**

**1,800-square-**

**foot home at**

**915 N. Park St.**

([http://www.mlive.com/news/kalamazoo/index.ssf/2013/04/city\\_of\\_kalamazoo\\_to\\_pay\\_hon](http://www.mlive.com/news/kalamazoo/index.ssf/2013/04/city_of_kalamazoo_to_pay_hon)

had what

Crawford

Johnson had



Dealing with Lead-  
Based Paint

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Mike Fehler of Midwest Training & Environmental Services talks about lead paint at Brandi Crawford-Johnson's house on North Park Street.



been looking for a home since she was a little girl: a big yard, porches with large glass windows. Bay City  
Detroit  
Flint  
Grand Rapids  
Jackson  
Kalamazoo  
Lansing  
Muskegon  
Saginaw  
All Michigan

"I've always wanted to live in the city since I was a little girl," said Crawford Johnson, 33, a Dowagiac native. "I always wanted to have one of these big porches to look out of since I was a little girl. I believe that God intended for me to buy this house."

In August 2012, Crawford Johnson, her husband, Adrian Johnson, 41, and their 8-year-old son, Thomas Crawford, bought the home from the city of Kalamazoo for \$3,200. They spent about \$25,000 to remodel the home with her husband putting in the hours.

"We knew we were going to get windows and we had planned on getting a lot of stuff done to this house," Crawford Johnson said.

But early this year, city officials notified Crawford Johnson and the purchasers of two other pre-1978 properties that they had failed to provide them an Environmental Protection Agency-approved brochure disclosing the possibility of lead-based paint or pipes.

Crawford Johnson filed a claim in March that city officials failed to provide her those documents. In the claim, Crawford alleged that city officials knew the 110-year-old home contained lead-based paint but failed to provide a pamphlet and a checklist and that a sales agreement did not include language pertaining to lead-based paint, according to a city press release. Under federal law, the city should have provided the disclosure since the home was built before 1978.



The Kalamazoo Commission (http://topics.mlive.com/tag/Kalamazoo%20City%20Commission/index.html) on Monday approved a \$115,000 settlement with Crawford Johnson, claiming the city failed to meet the lead requirements at closing. The city denied having prior knowledge that lead-based paint existed at the property because city officials had not conducted lead testing. The city is not required to test the property for lead.

## Related: City of Kalamazoo to pay homeowner \$115,000 in settlement over lead-based paint

(http://www.mlive.com/news/kalamazoo/index.ssf/2013/04/city\_of\_kalan

Crawford Johnson had workers from the U.S. Department of Housing and Urban Development test her home, where she said they found lead-based paint in the dining room floor, kitchen, the home's windows and the soil.

SEARCH

"I was really upset when I found the house tested positive for lead and that's when I called around for a lawyer," Crawford Johnson said. She retained Paul Bohn and James Pelland of Northville-based Fausone Bohn LLP.

Crawford Johnson disputed a city press release that said she alleged her son had elevated levels of lead. "My son had a normal level of lead" in his blood, she said.

Crawford Johnson said \$75,000 to \$80,000 of the \$115,000 settlement will pay for lead remediation. Another \$15,000 will pay for her attorneys' fees, \$5,000 will be put aside for her son's future and the remainder will go toward fixing up the house and paying for a hotel room her family has called home for a month. Her contractor estimated it will take another month for the lead remediation to be complete.



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"It was a huge, huge stressful situation,"

Crawford Johnson said. "It's not like I'm getting rich off the city by any means."

Crawford Johnson said she loves the high-traffic area of North Park Street and sees potential in her neighborhood. She hopes to be part of a rehabilitation movement in this area.

Settling the matter, the judge said, "I'm not going to say that happened, it's not going to hurt them at all," Crawford Johnson said. "It's going to help them because I'm going to be one of the people changing the face of this neighborhood."

*Emily Monacelli is a local government reporter for the Kalamazoo Gazette. Contact her at [emonacel@mlive.com](mailto:emonacel@mlive.com)*

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(mailto:[emonacel@mlive.com](mailto:emonacel@mlive.com)). Follow her

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When do the other two homeowners get theirs?



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wmubrcn1, The other two homeowners have released the city from liability.



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Def a good investment for the city and the woman is smart to have retained an attorney. Good for her.

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I think it is funny that the city ended up basically paying them to take the house because the city forgot to give her a brochure that says that older houses may have lead paint or lead pipes in them. An initial \$3200 investment got \$100,000 to continue to work on the home with.

But it might be a good investment for the city since now they can afford a lot of improvements that will help drive up their property taxes at the maximum proposal A will allow for years to come.

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Home inspectors don't test for lead paint. Most houses prob contain lead paint. I doubt many people test for lead in their homes. Sounds like she knew her laws. That is good she is using the money to fix the house. No harm in that.

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She didn't know the law, it was a money grab. If she knew anything, she would know that a really old house has lead paint somewhere. duh. boy , I bet the plumbing and electric is all up to snuff and in perfect condition too.

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I guess they didn't want to have the home inspected before closing on it, like every other American.

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Home inspections is a choice of the home purchaser (or the purchasers bank). They aren't a requirement. The city failed to do it's job as required by law.

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Wow, the city could've demolished this house (and many, many others that need it) for \$115,000.

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Yeah, it won't hurt the city at all to give away \$115,000. No , not at all, said no one.

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it's a number really. Paint you buy at Lowes today contains lead. The top 8 inches of all the soil in the USA contains Lead that was deposited during lead gasolines heyday. Remediation provides cottage industry employment lobbied for by the most powerful lobby in Washington. NAR. (national association of realtors) so I'm all for it. Regulations on Lead Paint in Homes HR 5835 - Improving Lead-Based Paint Investigations Act of 2010 Improved Enforcement of Mortgage, Financial, and Other Types of Fraud S 386 - Fraud Enforcement and Recovery Act (FERA) of 2009

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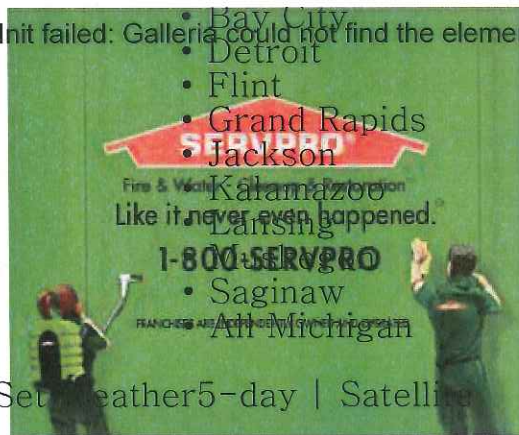
I am glad to hear they are going to stay in the home.

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922 **Log, 7 p.m.: Will Justin Verlander snap winless streak, earn first W against Kansas Cit**

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**Pilny, Edward**

---

**From:** Brandi Crawford-Johnson [bcrawfordkc@gmail.com]  
**Sent:** Monday, September 09, 2013 3:52 PM  
**To:** Pilny, Edward  
**Subject:** Re: Did not receive your son elevated blood lead test results  
**Attachments:** Image (107).jpg

Mr. Pilny,

Thank you for following up with us. Yes. Joseph Fehler is the owner. Mike Fehler is his father and he bid on the project with the State. Joseph worked here as well on my home. Attached are my son's elevated blood results.

Thanks,

Brandi Crawford

On Mon, Sep 9, 2013 at 2:27 PM, Pilny, Edward <[pilny.edward@epa.gov](mailto:pilny.edward@epa.gov)> wrote:

Ms. Brandi Crawford-Johnson

My name is Edward R. Pilny and I am an inspector for the EPA and was given your case by Ms. Julie Morris to investigate.

From the documents and questionnaire you have provided to the U.S. EPA I did not receive your son's elevated blood test results.

Can you e-mail this document?

Also looking at what you have provided the EPA, your contractor was Midwest Training Services and are located at 16850 120<sup>th</sup> Avenue, Suite B, Nunica, Michigan 49448?

Mr. Joseph Fehler , agent?

Thank You

Edward R. Pilny



U.S. EPA, Region 5

(312) 886-0206



**BUREAU OF LABORATORIES**  
 MICHIGAN DEPARTMENT OF COMMUNITY HEALTH  
 3350 N. MARTIN LUTHER KING, JR. BLVD.  
 P.O. BOX 30035  
 LANSING, MI 48909  
 Phone: (517) 335-8059

**FINAL REPORT**

**COPY TO:** FAMILY HEALTH CEN/PORTAGE  
 325 E. CENTRE AVE.  
 PORTAGE, MI 49002

**Report Number:** 968100  
**Date Reported:** 03/13/2013 at 9:05:57AM  
**CLIA#:** 23D0650909  
 By Authority of Act. 368, P.A. 1978

**SUBMITTER:** FAMILY HEALTH CEN/PORTAGE (FAM23)  
 325 E. CENTRE AVE.  
 ATTN NURSE  
 PORTAGE, MI 49002

<b>Patient Name:</b> CRAWFORD, THOMAS <b>Patient Address:</b> 915 N PARK ST KALAMAZOO, MI 49007 <b>Patient DOB:</b> 03/04/2005 <b>Gender:</b> MALE <b>Parent/Guardian Name:</b> CRAWFORD BRANDI <b>Physician:</b> DR JOCELYN DELEON	<b>Sample Type:</b> FILTER PAPER <b>Date Collected:</b> 02/12/2013 <b>Date Received:</b> 02/25/2013 <b>Date Analyzed:</b> 2/25/2013 <b>Instrument:</b> ICPMS <b>Reporting Limit:</b> 1 ug/dL
---	---

**LEAD - FILTER PAPER**

SPECIMEN#	LEAD RESULTS	EVALUATION
-----------	--------------	------------

TM13-100907	8.2 ug/dL	*Refer to footnote for interpretation of results.
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Blood Lead for  
15 yrs and Younger\*    Comment

<10.0 ug/dL	Not lead poisoned
10.0 - 14.9 ug/dL	Rescreen frequently and consider prevention activities
15.0 - 19.9 ug/dL	Institute nutritional and educational interventions
20.0 - 44.9 ug/dL	Evaluate environmental and consider chelation therapy
45.0 - 69.0 ug/dL	Institute environmental intervention and chelation therapy
>69 ug/dL	A medical emergency

Older than 15 yrs, consult CDC guidelines at <http://www.cdc.gov>

\*Elevated levels of blood lead should be confirmed with a second specimen before remedial action is instituted.  
 Elevated capillary blood specimens should be repeated using a venous specimen because of possible contamination.

THIS TEST REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL WITHOUT WRITTEN  
 APPROVAL OF THE LAB. RESULTS RELATE ONLY TO ITEMS TESTED.

Venous and  
 arterial







**Pilny, Edward**

---

**From:** Brandi Crawford-Johnson [bcrawfordkc@gmail.com]  
**Sent:** Wednesday, September 25, 2013 4:26 PM  
**To:** Pilny, Edward  
**Subject:** Fwd: Exterior Inspection  
**Attachments:** 915 N. Park, Kalamazoo - Exterior Visual Inspection.pdf

----- Forwarded message -----

**From:** Catherine Phelps <catherine@aaaleadinspections.com>  
**Date:** Thu, Sep 12, 2013 at 1:29 PM  
**Subject:** Exterior Inspection  
**To:** bcrawfordkc@gmail.com

Brandi,

Attached is the exterior visual inspection report.

*Catherine Phelps*

**AAA Lead Inspections, Inc.**

P.O. Box 141014 | Grand Rapids, MI 49514

T: 616-364-9200 | F: 616-364-9194

[www.aaaleadinspections.com](http://www.aaaleadinspections.com)

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## AAA Lead Inspections, Inc.

---

15 North Park  
P.O. Box 141014  
Grand Rapids, MI 49514-1014

Phone: 616-364-9200  
Fax: 616-364-9194

September 12, 2013

Brandi Crawford Johnson  
915 North Park Street  
Kalamazoo, MI 49007

RE: Exterior Visual Clearance

Dear Brandi:

As requested, I have inspected the paint stabilization work performed on the exterior of the residence located at 915 North Park Street in Kalamazoo, Michigan. This visual inspection was conducted on September 10, 2013.

The house has been covered with vinyl siding and the wood trim wrapped with aluminum, but the yard has not been cleaned up. There are still numerous paint chips along the perimeter of the house, in the driveway, and the backyard. The exterior visual inspection DOES NOT pass clearance.

If you have any questions or concerns, please feel free to contact me at (616) 364-9200.

Sincerely,  
AAA Lead Inspections, Inc.

Catherine Phelps  
Certified Lead Inspector/Risk Assessor (P-00581)







**Pilny, Edward**

---

**From:** Brandi Crawford-Johnson [bcrawfordkc@gmail.com]  
**Sent:** Wednesday, September 25, 2013 4:26 PM  
**To:** Pilny, Edward  
**Subject:** Fwd: Addendum  
**Attachments:** 915 Park, Kalamazoo - Addendum to Lead Clearance.pdf

----- Forwarded message -----

**From:** **Catherine Phelps** <catherine@aaaleadinspections.com>  
**Date:** Fri, Sep 6, 2013 at 1:39 PM  
**Subject:** Addendum  
**To:** bcrawfordkc@gmail.com

Brandi,

Here is the addendum. I will see you on Tuesday around 10 am. Please let me know if you have any more questions before that time. I'm so sorry about all of the hassle you have been through, and hopefully this can all get worked out so that your son doesn't have to suffer.

Take care,

Catherine

*Catherine Phelps*

**AAA Lead Inspections, Inc.**

P.O. Box 141014 | Grand Rapids, MI 49514

T: 616-364-9200 | F: 616-364-9194

[www.aaaleadinspections.com](http://www.aaaleadinspections.com)

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# AAA Lead Inspections, Inc.

---

15 North Park  
P.O. Box 141014  
Grand Rapids, MI 49514-1014

Phone: 616-364-9200  
Fax: 616-364-9194

September 6, 2013

Mike Fehler  
Midwest Builders  
P.O. Box 67  
Nunica, MI 49448

RE: Addendum to Lead Clearance at 915 N. Park, Kalamazoo

Dear Mike:

After review of the Lead Clearance report for 915 North Park Street, it appears that there is a misprint on Page 2 of the report. The report states that "the visual inspection of the interior and exterior pass clearance." This is incorrect. At the time of the interior clearance conducted on June 17, 2013, the exterior work was not finished. The interior work was done and the dust wipe results indicate that the cleaning passes the clearance criteria established by HUD and the EPA. A template report was utilized to write up the clearance evaluation, and the word "exterior" was obviously not removed.

AAA Lead Inspections, Inc. also does not give any warranty to the condition of the interior painted surfaces, nor do we inspect workmanship. The clearance evaluation was conducted in order to evaluate the dust levels present in the house.

Please add this information to the Lead Clearance report. If any additional information or clarification is needed, please do not hesitate to contact me at (616) 364-9200.

Sincerely,  
AAA Lead Inspections, Inc.

Erick Knuth  
Certified Lead Inspector/Risk Assessor







**Pilny, Edward**

---

**From:** Brandi Crawford-Johnson [bcrawfordkc@gmail.com]  
**Sent:** Wednesday, September 25, 2013 4:27 PM  
**To:** Pilny, Edward  
**Subject:** Fwd: Lead Insepection  
**Attachments:** 915 N. Park, Kalamazoo - Dust and paint sampling, 9-12-13.pdf

----- Forwarded message -----

**From:** Catherine Phelps <catherine@aaaaleadinspections.com>  
**Date:** Mon, Sep 16, 2013 at 3:06 PM  
**Subject:** RE: Lead Insepection  
**To:** Brandi Crawford-Johnson <bcrawfordkc@gmail.com>

Brandi,

The report is attached.

Take care,

Catherine

*Catherine Phelps*

**AAA Lead Inspections, Inc.**

P.O. Box 141014 | Grand Rapids, MI 49514

T: 616-364-9200 | F: 616-364-9194

[www.aaaaleadinspections.com](http://www.aaaaleadinspections.com)

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---

**From:** Brandi Crawford-Johnson [mailto:[bcrawfordkc@gmail.com](mailto:bcrawfordkc@gmail.com)]

**Sent:** Monday, September 16, 2013 12:59 PM

**To:** Catherine Phelps

**Subject:** Lead Insepection

Hi Catherine,

I was just wondering if you had those results ready yet. Please let me know.

Thanks,

Brandi Crawford

No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2013.0.3408 / Virus Database: 3222/6670 - Release Date: 09/16/13





# AAA Lead Inspections, Inc.

15 North Park  
P.O. Box 141014  
Grand Rapids, MI 49514-1014

Phone: 616-364-9200  
Fax: 616-364-9194

September 16, 2013

Brandi Crawford Johnson  
915 North Park Street  
Kalamazoo, MI 49007

RE: Lead dust and paint sampling

Dear Brandi:

Enclosed is a copy of the laboratory results from the lead dust and paint sampling I performed at 915 North Park Street in Kalamazoo, Michigan on September 10, 2013. The sampling was conducted due to concerns of lead contamination, following remediation activities that were performed by Midwest Builders. While at the site, I identified the following concerns with the paint stabilization work:

- Front porch window trim is chipping
- Main floor north bedroom walls are bubbling and the paint stabilization is unlikely to hold up (this room does not appear to have new drywall)
- Rear upper stairwell walls and the upstairs bedroom walls are bubbling, some areas are already beginning to peel
- Upper laundry room ceiling is drooping and looks like it may cave in the future, there is bubbling on most of the upstairs ceilings
- The window trim in the upper front porch (off son's bedroom) is chipping
- All of the window troughs are dirty
- Lots of paint chips were identified around the perimeter of the house and in the driveway

Dust wipe samples were extracted in the main areas of concern. The results are as follows:

Sample Location	Clearance Level	Sample Result	Pass/Fail
Front porch floor	40 ug/ft <sup>2</sup>	<5.0 ug/ft <sup>2</sup>	Pass
Front porch window sill (side B)	250 ug/ft <sup>2</sup>	37 ug/ft <sup>2</sup>	Pass
Front porch window trough (side B)	400 ug/ft <sup>2</sup>	710 ug/ft <sup>2</sup>	Fail
Dining room floor by duct	40 ug/ft <sup>2</sup>	<5.0 ug/ft <sup>2</sup>	Pass



Sample Location	Clearance Level	Sample Result	Pass/Fail
Upper stair landing by Kitchen	40 ug/ft <sup>2</sup>	5.3 ug/ft <sup>2</sup>	Pass
Upper stair window trough	400 ug/ft <sup>2</sup>	39 ug/ft <sup>2</sup>	Pass
South daughter's bedroom floor	40 ug/ft <sup>2</sup>	<5.0 ug/ft <sup>2</sup>	Pass
South daughter's bedroom sill	250 ug/ft <sup>2</sup>	20 ug/ft <sup>2</sup>	Pass
North daughter's bedroom floor	40 ug/ft <sup>2</sup>	<5.0 ug/ft <sup>2</sup>	Pass
Upper bathroom floor by window	40 ug/ft <sup>2</sup>	<5.0 ug/ft <sup>2</sup>	Pass
Son's bedroom floor (threshold)	40 ug/ft <sup>2</sup>	14 ug/ft <sup>2</sup>	Pass
Son's bedroom sill (upper porch)	250 ug/ft <sup>2</sup>	57 ug/ft <sup>2</sup>	Pass
Dining room floor where linoleum lifts	40 ug/ft <sup>2</sup>	5.3 ug/ft <sup>2</sup>	Pass

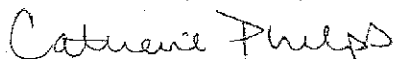
Based on the dust results, all of the samples pass the clearance criteria except the window trough on the front porch. The elevated lead level is likely due to dust accumulation that occurred while the exterior siding work was being completed. I recommend that all of the window troughs throughout the house be cleaned by use of a HEPA vacuum and wet wiping.

Paint chip samples were extracted in two wall areas where there is visible paint delamination or peeling. Both samples are below the "lead paint" level, with the following results:

Sample Location	HUD Lead Paint Level	Sample Result
Dining room - wall cavity by duct	0.50%	0.17%
South daughter's bedroom - wall paint (on the surface where peeling)	0.50%	<0.0025%

If you have any questions or need additional assistance, please feel free to contact me at (616) 364-9200.

Sincerely,  
AAA Lead Inspections, Inc.



Catherine Phelps  
Certified Lead Inspector/Risk Assessor (P-00581)



## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Thursday, September 12, 2013

Page 1 of 7

CUSTOMER: AAA Lead Inspections  
P.O. Box 141014  
Grand Rapids, MI 49514

DATE RECEIVED: Tuesday, September 10, 2013  
PO/PROJECT #:  
SUBMITTAL #: 2013-09-11-001

## LAB NUMBER: AB62777

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-1 - Front Porch Floor

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)  
Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)  
Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62778

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-2 - Front Porch Sill (B)

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)  
Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)  
Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 0.57 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	21 ug	5.0 ug	37ug/ft <sup>2</sup>	8.8 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62779

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-3 - Front Porch Trough (B)

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)  
Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)  
Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 0.51 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	360 ug	5.0 ug	710ug/ft <sup>2</sup>	9.8 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

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## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Thursday, September 12, 2013

Page 2 of 7

CUSTOMER: AAA Lead Inspections  
P.O. Box 141014  
Grand Rapids, MI 49514

DATE RECEIVED: Tuesday, September 10, 2013  
PO/PROJECT #:  
SUBMITTAL #: 2013-09-11-001

## LAB NUMBER: AB62780

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-4 - Dining Room Floor by Duct

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62781

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-5 - Landing by Kitchen Upper Stair

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	5.3 ug	5.0 ug	5.3ug/ft <sup>2</sup>	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62782

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-6 - Upper Stair Window Trough

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 0.51 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	20 ug	5.0 ug	39ug/ft <sup>2</sup>	9.8 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

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## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Thursday, September 12, 2013

Page 3 of 7

CUSTOMER: AAA Lead Inspections  
P.O. Box 141014  
Grand Rapids, MI 49514

DATE RECEIVED: Tuesday, September 10, 2013  
PO/PROJECT #:  
SUBMITTAL #: 2013-09-11-001

## LAB NUMBER: AB62783

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-7 - South Daughters Bedroom Floor

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)  
Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)  
Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62784

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-8 - South Daughters Bedroom Sill

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)  
Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)  
Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 0.29 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	5.8 ug	5.0 ug	20ug/ft <sup>2</sup>	17 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62785

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-9 - North Daughters Bedroom Floor

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)  
Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)  
Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

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## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Thursday, September 12, 2013

Page 4 of 7

CUSTOMER: AAA Lead Inspections  
P.O. Box 141014  
Grand Rapids, MI 49514

DATE RECEIVED: Tuesday, September 10, 2013  
PO/PROJECT #:  
SUBMITTAL #: 2013-09-11-001

## LAB NUMBER: AB62786

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-10 - Upper Bathroom Floor by Window

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62787

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-11 - Sons Bedroom Floor (Threshold)

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 1.10 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	16 ug	5.0 ug	14ug/ft <sup>2</sup>	4.5 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62788

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-12 - Sons Bedroom Sill (Upper Porch)

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 0.62 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	35 ug	5.0 ug	57ug/ft <sup>2</sup>	8.1 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

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## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Thursday, September 12, 2013

Page 5 of 7

CUSTOMER: AAA Lead Inspections  
P.O. Box 141014  
Grand Rapids, MI 49514

DATE RECEIVED: Tuesday, September 10, 2013  
PO/PROJECT #:  
SUBMITTAL #: 2013-09-11-001

## LAB NUMBER: AB62789

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-13 - Field Blank

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)  
Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)  
Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: N/A

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- N/A	- N/A

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62790

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: DW-14 - Dining Room Floor where Linoleum Up

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)  
Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)  
Date Analyzed: Wednesday, September 11, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	5.3 ug	5.0 ug	5.3ug/ft <sup>2</sup>	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB62791

Sampled By: Catherine Phelps  
Job Location: 915 N. Park Street  
Sample Identification: PC-1 - Dining Room  
Flagged Data: Sample size less than the minimum required for analysis.

Date Sampled: Tuesday, September 10, 2013  
Sample Description: Paint Chips

Preparation Method: EPA 3050B-P-M (Acid Digestion for Paints)  
Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)  
Date Analyzed: Thursday, September 12, 2013

ELEMENT	RESULT (by dry weight)	REPORTING LIMIT (RL)
Lead	0.17 %	0.0081 %

CCC&L has obtained accreditation under the programs detailed on the final page of the laboratory report. The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the scope of accreditation table. Testing which is performed by CCC&L according to other test methods, or for elements which are not included in the table fall outside of the current scope of laboratory accreditation.

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# CORROSION CONTROL CONSULTANTS & LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Thursday, September 12, 2013

Page 6 of 7

**CUSTOMER:** AAA Lead Inspections  
P.O. Box 141014  
Grand Rapids, MI 49514

**DATE RECEIVED:** Tuesday, September 10, 2013  
**PO/PROJECT #:**  
**SUBMITTAL #:** 2013-09-11-001

### LAB NUMBER: AB62792

**Sampled By:** Catherine Phelps  
**Job Location:** 915 N. Park Street  
**Sample Identification:** PC-2 - South Daughters Bedroom

**Date Sampled:** Tuesday, September 10, 2013  
**Sample Description:** Paint Chips

**Preparation Method:** EPA 3050B-P-M (Acid Digestion for Paints)  
**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)  
**Date Analyzed:** Thursday, September 12, 2013

<u>ELEMENT</u>	<u>RESULT (by dry weight)</u>	<u>REPORTING LIMIT (RL)</u>
Lead	< RL	0.0025 %

CCC&L has obtained accreditation under the programs detailed on the final page of the laboratory report. The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the scope of accreditation table. Testing which is performed by CCC&L according to other test methods, or for elements which are not included in the table fall outside of the current scope of laboratory accreditation.

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## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Thursday, September 12, 2013

Page 7 of 7

CUSTOMER: AAA Lead Inspections  
P.O. Box 141014  
Grand Rapids, MI 49514

DATE RECEIVED: Tuesday, September 10, 2013  
PO/PROJECT #:  
SUBMITTAL #: 2013-09-11-001

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results. Individual sample results relate only to the sample as received by the laboratory.

Tests Reviewed By: Jason Kraai, Senior Analyst *Jason Kraai* 2013.09.12 16:44:42

CCC&L has obtained accreditation under the following programs:

- **National Lead Laboratory Accreditation Program (NLLAP)**  
ELLAP: AIHA Laboratory ELLAP Accreditation Program Laboratory, ID#101030 ([www.aiha.org](http://www.aiha.org))  
OH: Ohio Department of Health Lead Poisoning Prevention Program, Approval #E10013 ([www.odh.ohio.gov](http://www.odh.ohio.gov))
- **AIHA Laboratory IHLAP Accreditation Program** ([www.aiha.org](http://www.aiha.org))  
IHLAP: Laboratory ID#101030
- **National Environmental Laboratory Accreditation Program (NELAP)**  
NY: State of New York Department of Health, Laboratory ID#11609 (Serial # 48735 through 48739) (518-485-5570)  
LA: State of Louisiana Department of Environmental Quality, Laboratory ID#180321 (Certificate 05036) ([www.deq.louisiana.gov](http://www.deq.louisiana.gov))  
OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2013-040) ([www.deq.state.ok.us](http://www.deq.state.ok.us))

The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the table below. Testing which is performed by CCC&L according to other test methods, or for elements which are not included in the table below fall outside of the current scope of laboratory accreditation. Customers are encouraged to verify the current accreditation status with the individual accreditation programs by calling or visiting the appropriate website for the applicable program.

**SCOPE OF ACCREDITATION****Air and Emissions**

Element/Test	Method	Accreditation(s)
Particulates (PM10)	40 CFR 50 Appendix J	NY, LA
Total Suspended Particulates (TSP)	40 CFR 50 Appendix B	NY, LA
Lead in Airborne Dust	NIOSH 7300	ELLAP, OH, NY, LA
Lead in Airborne Dust	EPA 600/R-93/200/ EPA 6010C	ELLAP, OH
Metals in Airborne Dust	EPA 600/R-93/200/ NIOSH 7300/ EPA 6010C	IHLAP

**Solid Chemical Materials**

Element/Test	Method	Accreditation(s)
TCLP	EPA 1311(Sample Preparation Method)	NY, LA, OK
Acid Digestion	EPA 3050B	NY, LA
Lead in Soil	EPA 3050B/ EPA 6010C	ELLAP, OH, NY, LA, OK
Lead in Paint	EPA 3050B/ EPA 6010C	ELLAP, OH, NY, LA
Lead in Paint	ASTM D 3335-85A/ EPA 6010C	NY
Lead in Dust Wipes	EPA 3050B/ EPA 6010C	NY, LA
Lead in Dust Wipes	EPA 600/R-93/200/ EPA 6010C	ELLAP, OH

**Non-Potable Water / Analysis by ICP**

Element/Test	Method	Accreditation(s)
Arsenic	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Barium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Cadmium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Chromium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Copper	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Lead	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Mercury	EPA 245.1 Rev.3	NY, LA, OK
Mercury	EPA 7470A	NY, LA, OK
Nickel	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Selenium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Silver	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Zinc	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Acid Digestion	EPA 3010A	NY, LA

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# CHAIN OF CUSTODY FORM

Send To:

Corrosion Control Consultants & Labs, Inc. a GPI company

4403 Donker Ct Kentwood MI 49512-4054

ph: 616-940-3112 fx: 616-940-8139 web-sites: www.cclabs.com www.gpinet.com

Properly Contained ☒ YES ☐ NO ☐ N/A  
 ASTM E1792 wipes ☒ YES ☐ NO ☐ N/A  
 Adequate Ph Adjust YES ☐ NO ☒ N/A  
 Lab acidified: By/Date: N/A

Company: AAA Lead Inspections, Inc  
 Address: P.O. Box 141014 Grand Rapids, MI. 49514  
 Company Contact: Catherine Phelps  
 Telephone: 616-364-9200  
 E-Mail: catherine@aaaleadinspections.com  
 P.O. /Proj. #: 915 N. Park Street  
 Job Location:

MATRIX: ☐ PAINT CHIPS ☒ SOIL ☒ WIPE  
 Total Metals: ☒ Lead ☐ Other  
 Turnaround Time: ☐ Same Day\* ☒ Other 2 day  
☐ Rush (1 day)\*\* ☐ Standard (2-4 days) \*additional fees apply \*\*no additional charge

Special Instructions:

CCC&L accepts Visa, MasterCard, and American Express. Please call for information.

CCC&L Lab No.	Sample Number	Date/Time Sampled	Sample Identification/Location	Wipe Area ft <sup>2</sup>	Comments
AB62777	DW-1	9.10.13	Front porch floor	1.0	
AB62778	2		↓ Sill (B)	0.57	
AB62779	3		↓ trough (B)	0.51	
AB62780	4		Dining room floor by duct	1.0	
AB62781	5		Landing by kitchen upper stair	1.0	
AB62782	6		upper stair window trough	0.51	
AB62783	7		South daughter's bedroom floor	1.0	
AB62784	8		↓ Sill	0.29	
AB62785	9		North daughter's bedroom floor	1.0	
AB62786	10		upper bathroom floor by window	1.0	
AB62787	11		Son's bedroom floor (threshold)	1.1	
AB62788	12		↓ Sill (upper porch)	0.62	
AB62789	13		Field Blank	—	
AB62790	↓ 14		Dining room floor where linoleum up	1.0	
AB62791	PC-1		Dining room	—	
AB62792	↓ 2		South daughter's bedroom	—	

Sampled By: Catherine Phelps

Date Submitted: 9.10.13

Signature: Catherine Phelps

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished Date/Time: \_\_\_\_\_

Form 54

Method of Shipment: Drop OFF

12/22/11 Rev.9

Received for Lab by: [Signature]

Date/Time: 9/10/13 17:00

Submittal #: 2013-09-10-001

27/4



## Pilny, Edward

---

**From:** Copeland, James (DCH) [CopelandJ3@michigan.gov]  
**Sent:** Wednesday, September 25, 2013 3:17 PM  
**To:** Pilny, Edward  
**Subject:** RE: Kalamazoo Project

FYI, we have had an open investigation into Midwest Construction for the property at 915 N. Park, Kalamazoo for lead abatement and have reached a settlement. They originally tried to claim RRP but the intent of the home owner was clearly abatement.

James A. Copeland  
Compliance Officer  
MDCH – Healthy Homes Section  
201 Townsend – 4<sup>th</sup> Floor  
Lansing, MI 48913  
Fax 517-335-8800  
Direct 517-241-6486  
General 517-335-9390  
[www.michigan.gov/leadsafe](http://www.michigan.gov/leadsafe)

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**From:** Pilny, Edward [mailto:pilny.edward@epa.gov]  
**Sent:** Wednesday, September 25, 2013 4:08 PM  
**To:** Copeland, James (DCH)  
**Subject:** RE: Kalamazoo Project

Mr. Copeland

Midwest Construction of Nunica, Michigan has received the EPA Information Request Letter and Questionnaire 9-20-2013, but they have not responded to us as of that date.

Ed. Pilny

---

**From:** Copeland, James (DCH) [mailto:CopelandJ3@michigan.gov]  
**Sent:** Wednesday, September 25, 2013 3:01 PM  
**To:** Pilny, Edward  
**Subject:** RE: Kalamazoo Project

Midwest Construction.

James A. Copeland  
Compliance Officer  
MDCH – Healthy Homes Section



201 Townsend – 4<sup>th</sup> Floor  
Lansing, MI 48913  
Fax 517-335-8800  
Direct 517-241-6486  
General 517-335-9390  
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**From:** Pilny, Edward [<mailto:pilny.edward@epa.gov>]  
**Sent:** Wednesday, September 25, 2013 4:00 PM  
**To:** Copeland, James (DCH)  
**Subject:** RE: Kalamazoo Project

Mr. Copeland

Is this the address where the activities are going on, if so what is the name of the contractor that is conducting these activities, so that I can check?

Ed. Pilny

---

**From:** Copeland, James (DCH) [<mailto:CopelandJ3@michigan.gov>]  
**Sent:** Wednesday, September 25, 2013 2:37 PM  
**To:** Pilny, Edward  
**Subject:** Kalamazoo Project

Ed, we have an investigation into the activities at 915 N. Park in Kalamazoo. Do you have one as well?

James A. Copeland  
Compliance Officer  
MDCH – Healthy Homes Section  
201 Townsend – 4<sup>th</sup> Floor  
Lansing, MI 48913  
Fax 517-335-8800  
Direct 517-241-6486  
General 517-335-9390  
[www.michigan.gov/leadsafe](http://www.michigan.gov/leadsafe)

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**Pilny, Edward**

---

**From:** Copeland, James (DCH) [CopelandJ3@michigan.gov]  
**Sent:** Monday, October 21, 2013 1:30 PM  
**To:** Pilny, Edward  
**Subject:** RE: New data on Midwest Construction?

Ed, I am not sure what would be new for you.

Our investigation into Midwest was for abatement violations. During the first appeal, Midwest was represented by legal counsel. They were adamant that the project was an RRP project. HHS (us) was adamant that the project was abatement and all work on the site fell under abatement site protocols. The first appeal ended without a settlement. Joe Fehler contacted Wesley Priem, my supervisor, a day or 2 later and requested another appeal meeting. During this meeting the violations were discussed as abatement by both sides and a settlement agreement was reached between HHS and Midwest. Their fine was broken into 3 payments which the first has been made on time.

I don't know if this helps you or not.

Jim

James A. Copeland  
Compliance Officer  
MDCH – Healthy Homes Section  
201 Townsend – 4<sup>th</sup> Floor  
Lansing, MI 48913  
Fax 517-335-8800  
Direct 517-241-6486  
General 517-335-9390  
[www.michigan.gov/leadsafe](http://www.michigan.gov/leadsafe)

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---

**From:** Pilny, Edward [mailto:[pilny.edward@epa.gov](mailto:pilny.edward@epa.gov)]  
**Sent:** Monday, October 21, 2013 1:55 PM  
**To:** Copeland, James (DCH)  
**Subject:** New data on Midwest Construction?

Mr. Copeland

I received a phone message from Ms. Brandi Crawford-Johnson stating that you have some additional information and data regarding Midwest Construction?  
Could you tell me and send me anything that is new and that has transpired with your Department and Midwest?

Thank You  
Ed. Pilny







From	<b>Midwest Environmental Services</b> <b>Midwest Builders</b> 16850 120 <sup>th</sup> Ave Ste B Nunica Mi 49448 616-837-0000 _Office 616-837-6656 _Fax <a href="mailto:Midwestbox67@aol.com">Midwestbox67@aol.com</a>	Proposal for <u>915 N Park St</u> <u>Kalamazoo MI</u> <u>49007</u>
To	<b>Brandi Crawford</b> 915 N Park St Kalamazoo MI 49007 269-532-2850 E-mail <a href="mailto:bcrawfordkc@gmail.com">bcrawfordkc@gmail.com</a>	
Item #	<b>Exhibit A</b> Work Description This a Lead remediation project, based off the findings of XRF (X-ray florescent ) Lead Paint analyzer readings We are addressing all hazards that are above 1.0 mg per sq centimeter How these hazards will be addressed are determined by the findings of The State of Michigan licensed Risk Assessment Report & the homeowner's renovation needs	Price
# 1	Replace all windows in home with vinyl replacement windows Energy star rated double hung ½ screen, white in color	\$ 14,000.00
# 2	Install 3 carbon monoxide detectors Install 3 smoke detectors where needed Install one fire extinguisher in home	\$ 345.00
# 3	Floor room 3 Apply encapsulation, & cover surface with luan	\$ 450.00
# 4	Door system's replace all exterior doors with steel doors same size Includes new hardware, key & lock & deadbolt	\$ 3,500.00
# 5	Exterior siding Side home with double 4-vinyl siding & all accessories install soffit & fascia where needed wrap all windows	\$ 12,500.00
# 6	Stairway- Apply encapsulation to steps, risers, stringers & landing Install vinyl runners with bull nose Includes both stair ways 1 <sup>st</sup> & 2 <sup>nd</sup> floor	\$ 800.00
# 7	2 <sup>nd</sup> floor kitchen & 1 <sup>st</sup> floor kitchen- Remove all cabinets	\$ 200.00
# 8	Porch steps side B remove	\$ 75.00
# 9)	Install Dog ear fence, 108 ft in 8 ft sections, Including 4 X 4 wolmanized posts. Fix 1 section in back of home. Spray paint yard side of fence white	\$ 1,690.00
#10)	Tear down rear porch & rear roof over porch. Build to code 4 X 10 deck Including steps, roof, handrails using wolmanized materials on all exposed components	\$ 2,639.00
# 11)	Add Closet to bedroom downstairs 4 ft long, stud ,drywall includes 1 shelf & 1 closet rod	\$ 400.00
# 12)	A) Install Luann where needed for vinyl floor. Luann sub-floor underlayment for vinyl allowance \$3.25 sq ft B) Install vinyl, Vinyl allowance \$10 - \$12.00 per sq yard C) Install Carpet, Carpet allowance \$ 10-12.00 per sq yard D) Installation of flooring & underlayment -Floor prep/tac strip/ seam sealer/ transitions all done by builder	\$ 6790.00



# 13)	Install new light fixture in downstairs bathroom & fix connection	\$ 69.00
# 14)	Replace interior trim including Window/door but not baseboard Install all new 6 panel masonite interior doors, Install new hardware, knobs & hinges on new doors. Doors to keep are door to downstairs porch & door to up stairs porch	\$ 4,460.00
# 15)	Remove toilet in bathroom fix floor Install new toilet. Repair any plumbing issues to secure. Connect toilet Bathrooms up & down	\$ 790.00
# 16)	Upstairs bathroom new 30-32" vanity include mirror over sink check & repair any plumbing issues includes new supply lines shut off valves & faucet	\$ 490.00
# 17)	Down Stairs bathroom Install new 3 piece tub/shower unit includes new faucet. New shut off valves, drain shower lines & shower head	\$ 2160.00
# 18)	Up stairs Bath Install new 30-36" Vanity, sink, counter, Faucet, new supply lines new drain trap & new vanity mirror	\$ 620.00
# 19)	Build in corner downstairs bath a shelf system for bathroom accessories	\$ 200.00
# 20)	Paint entire interior of home includes prime walls, ceiling trim 1 prime 1 coat white	\$ 2,997.00
# 21)	Porch trim in downstairs & upstairs is in good condition The trim around window's is fine & does not need replacing	None
# 22)	Kitchen cabinets upper & lower allowance Oak or Maple	\$ 990.00
# 23)	Kitchen Formica top installed with sink/faucet/ supply lines/ trap/ shut off valves. Fix Stove line, install shut off valves. Install GFI in Kitchen	\$ 2,170.00
# 24)	Through out Entire Home install new white outlet/plug in /switch covers Fix GFI if needed	\$ 1,190.00
# 25)	Install washer/dryer hookup includes plumbing hook-up & electric dryer hook-up	\$ 590.00
# 26)	Driveway from sidewalk to 8 ft from back of home. Install gravel Allow rain run off Put to grade	\$ 980.00
# 27)	Living area in home finish/fix/repair drywall. Knock down finish. All rooms except both porches as they are in good condition	\$ 7,920.00
# 28)	Side Porch leave roof. Build new deck same size with step, rails using wolmanized material	\$ 940.00
# 29)	Basement-Paint all walls that are white & floor. Wall will be part white Floor will be epoxy	\$ 690.00
# 30)	Dig up concrete pavers on both sides of driveway	\$ 92.00
# 31)	Window in Kitchen Reduce size to accommodate new kitchen cupboard & countertop	\$ 216.00
# 32)	Install gutters where needed with down spouts & extensions to move water away from home	\$ 975.00
# 33)	Remove 2 cloths line poles in back yard	\$ 92.00
# 34)	Remove Concrete in front of back porch	\$ 275.00



# 35	Soil Remediation	\$ 1,200.00
Add Ons		
# 36	Microwave Install microwave Allowance \$ 325.00	\$ 325.00
# 37	Dishwasher Install dishwasher Allowance \$ 325.00	\$ 325.00
# 38	Paint foundation block outside	\$ 400.00

**Total amount \$74,545.00**

All Debris hauled from site & clean up included  
 All Permits included  
 A Lead Paint clearance Inspection at job completion  
 insuring Home is lead safe

<u>Add On 's</u> <u>Or changes</u>	<u>Exhibit B</u> <u>By Homeowner</u> <u>Not included</u> <u>in Original description of work or in total</u> <u>amount of costs</u>	
	Front porch concrete	
	Coal Shoot	
	Electrical Service	
	Cement around bilge door	
	Remove exterior steel door in back to upper apartment	

Please sign & date to agree to work specifications

Brandi Crawford

2013



**Midwest Training Services**  
**Midwest Environmental Services**

**Midwest Builders**

16850 120<sup>th</sup> Ave, Ste B Nunica, MI 49448

616-837-0000 or 616-837-6005

Fax 616-837-6656

E-mail [Midwestbox67@aol.com](mailto:Midwestbox67@aol.com)

Date April 29 2013  
To Brandi Crawford  
915 N Park St  
Kalamazoo MI 49007  
Phone 269-532-2850

This is a legal & binding agreement between Midwest Environmental Services & Brandi Crawford. For the rehabilitation services of the Residential home located at **915 N Park St Kalamazoo MI 49007** (Parcel # 06-15-122-200 located in City of Kalamazoo)

The Specifications of the rehabilitation agreement are listed in the work description Exhibit A Under this Rehabilitation Contract all work being performed is listed with the price. If further work is needed but not included or listed in work Description Exhibit A it is not part of this Rehabilitation Contract Total amount of this contract is **\$ 74,545.00** (Seventy four thousand five hundred forty five dollars & no cents)

Please sign & date to agree to this contract

\_\_\_\_\_  
Brandi Crawford Homeowner

\_\_\_\_\_  
Date 2013

\_\_\_\_\_  
Michael Fehler Agent for Midwest Environmental

\_\_\_\_\_  
Date 2013



## ATTACHMENT B









UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

SEP 18 2013

REPLY TO THE ATTENTION OF:

LC-8J

CERTIFIED MAIL 7009 1680 0000 7668 1599  
RETURN RECEIPT REQUESTED

Midwest Training Services  
c/o Mr. Joseph Fehler  
16850 120<sup>th</sup> Avenue Suite B  
Nunica, Michigan 49448

Re: Request for Information

Dear Mr. Joseph Fehler:

The U.S. Environmental Protection Agency, Region 5, is contacting you in response to a complaint received by our office that alleges non-compliance with the Lead Renovation, Repair, and Painting Program Rule (RRP Rule), and the Lead Based Paint Pre-Renovation Education Rule (PRE Rule). Together the RRP Rule and PRE Rule are known as the Residential Property Renovation Rule, and are codified at 40 C.F.R. Part 745, Subpart E.

The Residential Property Renovation Rule requires that anyone who performs a renovation for compensation in housing built prior to 1978 (target housing) or in a child-occupied facility must provide an EPA lead-hazard information pamphlet to the owner and occupant of the housing prior to commencing the renovation activity. In addition, the renovator must have received certification as both an individual renovator and as a firm prior to commencing the renovation activity and must follow specified warning, containment, work practice, cleanup and clearance requirements during the renovation.

EPA needs additional information to determine your compliance with the Residential Property Renovation Rule; therefore, we have enclosed a Request for Information (Enclosure 1). We have also enclosed a declaration (Enclosure 2) for you to complete and return, along with any documents, and your responses to questions.

Pursuant to the regulations appearing at 40 C.F.R., Part 2, Subpart B, you are entitled to assert a business confidentiality claim covering any part of the submitted information. Unless such a confidentiality claim is asserted at the time the required information is submitted, EPA may make this information available to the public without further notice to you. Information subject to a business confidentiality claim may be made available to the public only to the extent set



forth in the above-cited regulations. Any claim for confidentiality must conform to the requirements set forth in 40 C.F.R. § 2.203(b).

Even though EPA may determine, under the criteria provided by 40 C.F.R. § 2.208, that certain information may not be entitled to business confidential treatment, EPA may nevertheless decide that disclosure of this information may constitute an invasion of privacy and, on that basis, may withhold it from disclosure to the general public. Such personal privacy information may include social security numbers, current addresses, or other personal information related to a customer. It is not necessary for a business confidentiality claim to be made for EPA to withhold personal privacy information.

EPA may use the information you provide in response to this request in an administrative, civil or criminal action. This request for information is not subject to the requirements of the Paperwork Reduction Act, 44 U.S.C. § 3501, *et seq.*, because it seeks the collection of information from a specific individual or entity as part of an administrative action or investigation.

If you are not asserting a claim of business confidentiality, mail the requested information to:

Edward R. Pilny (LC-8J)  
Pesticides and Toxics Compliance Section  
U.S. EPA, Region 5  
77 West Jackson Blvd.  
Chicago, Illinois 60604

Mr. Edward R. Pilny can be contacted by telephone at (312) 886-0206.

If you are asserting a claim of business confidentiality, your response must be double wrapped with the interior envelope clearly marked "Confidential, Contains TSCA CBI" and the exterior envelope addressed and mailed to Ms. Claudia Niess, Document Control Officer, at the following address:

Claudia Niess, DCO (LC-8J)  
Pesticides and Toxics Compliance Section  
U.S. EPA, Region 5  
77 West Jackson Blvd.  
Chicago, Illinois 60604

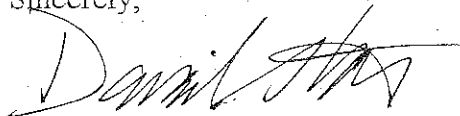
Your response to this Request for Information is voluntary. If you choose to respond, please do so within 15 days of receipt of this letter. If we have not received your response to this letter or you otherwise have not contacted us within this period, EPA will presume that you choose not to respond to this request. If you choose not to respond, EPA will consider other options for obtaining this information, and may issue a subpoena under authority of Section 11(c) of TSCA, 15 U.S.C. § 2610(c), seeking the same or similar information.



We have also enclosed an information sheet entitled "U.S. EPA Small Business Resources," which you may find helpful if you are a small business.

Thank you for your cooperation in this matter.

Sincerely,

A handwritten signature in dark ink, appearing to read "David Star", with a stylized flourish at the end.

David Star  
Chief  
Pesticides and Toxics Compliance Section

Enclosures







**REQUEST FOR INFORMATION**

**I. INSTRUCTIONS**

This information request letter covers all information, documents and/or records described below that are in your possession or control, or in the possession or control of your current or former employees, agents, contractors, accountants or attorneys. If you choose to provide documents in an electronic format, all responsive documents must be provided in Portable Document Format (PDF) or similar format.

**II. DEFINITIONS**

The terms used in this Information Request Letter have the meanings given in Section 402(b) and 402(c)(3) of the Toxic Substances Control Act and 40 C.F.R. Part 745, Subparts E, F, and L.

1. *Firm* means a company, partnership, corporation, sole proprietorship or individual doing business, association, or other business entity; a Federal, State, Tribal, or local government agency; or a nonprofit organization.
2. *Renovation* means the modification of any existing structure, or portion thereof, that results in the disturbance of painted surfaces, unless that activity is performed as part of an abatement as defined by 40 C.F.R. § 745.223. The term renovation includes but is not limited to: the removal, modification, or repair of painted surfaces or painted components (e.g., modification of painted doors, surface restoration, window repair, surface preparation activity (such as sanding, scraping, or other such activities that may generate paint dust)); the removal of building components (e.g., walls, ceilings, plumbing, windows); weatherization projects (e.g., cutting holes in painted surfaces to install blown-in insulation or to gain access to attics, planing thresholds to install weather stripping); and interim controls that disturb painted surfaces.
3. *Renovator* means an individual who either performs or directs workers who perform renovations. A certified renovator is a renovator who has successfully completed a renovator course accredited by EPA or an EPA-authorized State or Tribal program.
4. *Target housing* means any housing constructed prior to 1978, except housing for the elderly or persons with disabilities (unless any child who is less than 6 years of age resides or is expected to reside in such housing) or any 0-bedroom dwelling, as defined in Section 1004(27) of the Residential Lead-Based Paint Hazard Reduction Act of 1992, 42 U.S.C. § 4851, and 40 C.F.R. § 745.103.



### III. INFORMATION AND DOCUMENTS TO BE PROVIDED TO EPA

The information requested covers all renovation projects of target housing and child-occupied facilities for compensation performed by you since April 22, 2010, unless otherwise specified, in the States of Illinois, Indiana, Michigan, Minnesota, and Ohio.

1. Provide a description of the type of work that your firm performs.
2. How many people are employed at your firm?
3. Provide a copy of the following:
  - a. Your EPA RRP firm certification; and
  - b. Your renovator certification issued by a training provider showing completion of a renovator lead safe training course.
4. For each renovation/contracting job you have done, including subcontracting for renovation, since April 22, 2010, which included a disturbance of a painted surface or window replacement of a pre-1978 house, apartment, daycare or kindergarten, provide copies of the following information:
  - a. All contracts, invoices, work orders, and/or agreements (see note below)<sup>1</sup>;
  - b. Any documents that indicate the age of the renovated property;
  - c. All signed and dated acknowledgments of receipt of the Renovate Right Pamphlet by the owner or occupant of a property or residential unit and/or common area of Property, certificates of attempted delivery, or certificates of mailing; and
  - d. All documentation related to the renovation showing training of workers, how the work area was identified and controlled, how the property renovation work was conducted, how the work area was cleaned, how it was determined that the property renovation work was properly completed, and how property renovation waste and debris were managed and disposed.
5. For each property renovation performed by you, where lead-safe work practices were not performed and reports are available certifying that lead-based paint is not present in the area affected by the renovation, provide copies of those documents.
6. For each property renovation performed by you where a lead test kit was used, provide copies of the following information:

---

<sup>1</sup> If you have completed more than 100 contracts since April 22, 2010, contact EPA to narrow the scope of this request.



- a. Any records of test kits used including the manufacturer and model, the components tested, where each component was located, and the test results; and
  - b. Documentation that any test kit records and information were sent to the person(s) who contracted the property renovation, and provide the date that information was mailed.
7. Provide documentation concerning any emergency renovations performed by you.
8. For each property renovation performed by you since April 22, 2010, are you aware if any of the properties contained any lead-based paint or lead-based paint hazards before the renovation was performed? If yes, specify for which Property and state the date(s) on which you became aware of such lead-based paint or lead-based paint hazards and the basis for such knowledge.
9. For each property renovation performed by you since April 22, 2010, are you aware if any individual residing in the Property where renovation was performed had a lead-related health problem or had a blood lead level of 5 or greater? For each person identified, indicate when that person lived in the Property, how you became aware of the lead problem, and give any specifics known to you about the severity of the lead problem such as the numerical blood lead level.
10. For any property for which you are unable to provide documentation of compliance with the Renovation, Repair, and Painting Rule, explain the reason why such documentation does not exist or is unavailable.



**IN THE MATTER OF:**

Midwest Training Services  
c/o Mr. Joseph Fehler  
16850 120<sup>th</sup> Avenue  
Nunica, Michigan 49448

**Declaration Responding to Information Request**

I, the undersigned, state as follows:

1. I have made a diligent search and inquiry for all information and documents that are requested in the request for information to which this declaration responds. I have not found or been told about, and have no knowledge of, any information or documents requested by the request for information that I have not identified, copied, and submitted along with this declaration. I have not destroyed any requested documents or transferred any requested documents to any other person or party in the last three years.
2. Attached to this declaration are \_\_\_\_ pages of document photocopies. The attached pages are true, complete, and correct copies of documents that I presently have in my custody or control either personally, or as an agent, representative, or employee of a business entity in which I had or have a financial or ownership interest.
3. The information and documents were prepared and kept, or were received and kept, in the usual course of regularly conducted business.
4. All the responses to the inquiries contained in the request for information are true, complete, and correct.

Pursuant to 28 U.S.C. § 1746, I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

Executed on \_\_\_\_\_  
Date

Signature: \_\_\_\_\_

Office or Title: \_\_\_\_\_



ATTACHMENT C



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Midwest Training Services  
c/o Mr. Joseph Fehler  
16850 120<sup>th</sup> Avenue Suite B  
Nunica, Michigan 49448

2. Article Number  
(Transfer from service label)

7009 1680 0000 7668 1599

PS Form 3811, February 2004

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

*C. Nedry*☒ Agent☐ Addressee

B. Received by (Printed Name)

*Cyndi Nedry*

C. Date of Delivery

*9-20-13*D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☒ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

Domestic Return Receipt

102595-02-M-1540



## ATTACHMENT D







**Pilny, Edward**

---

**From:** Brandi Crawford-Johnson [bcrawfordkc@gmail.com]  
**Sent:** Thursday, December 05, 2013 2:25 PM  
**To:** Morris, Julie; Pilny, Edward  
**Subject:** Fwd: Midwest Case Information  
**Attachments:** Midwest Case Info.pdf

----- Forwarded message -----

**From:** **Adams, Sonya (DCH)** <AdamsS6@michigan.gov>  
**Date:** Thu, Dec 5, 2013 at 2:03 PM  
**Subject:** Midwest Case Information  
**To:** "Brandi Crawford-Johnson (bcrawfordkc@gmail.com)" <bcrawfordkc@gmail.com>  
**Cc:** "Priem, Wesley F. (DCH)" <priemw@michigan.gov>

Hi Brandi,

Attached is the Midwest case information you requested.

Please let me know if you have any questions.

Best Regards,

Sonya Adams

Certification Assistant/Compliance Officer

Michigan Department of Community Health

Division of Environmental Health

Healthy Homes Section

PO Box 30195

Lansing, MI 48909

ph: 517.335.8385



fx: 517.335.8800

adamss6@michigan.gov

Confidentiality Notice: This message, including any attachments, is intended solely for the use of the named recipient(s) and may contain confidential and/or privileged information. Any unauthorized review, use, disclosure or distribution of this communication(s) is expressly prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy any and all copies of the original message.



Michigan Department  
of Community Health



**Administrative  
Settlement  
Form**

*Healthy Homes Section*  
201 Townsend St. – 4<sup>th</sup> Floor  
PO Box 30195  
Lansing MI 48913  
Phone: 517-335-9390  
Fax: 517-335-8800

**Summary**

Case #:	13-0062
Primary Investigator:	Adams
Company/Professionals Name:	Midwest Builders
MI Certification #:	C-00819
Compliance Conference Date:	9/17/2013
Original Administrative Fine:	\$ 13,100

**Administrative Settlement**

Administrative Settlement reached?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Adjustments to Administrative Fine?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

**COMMENTS / ADJUSTMENTS**

All violations upheld.

Citation 1; Violation 5399: Vacated

Citation 2; Violation 5401: Vacated.

Citation 3; Violation 5402: Minus 60% for size of company.

Citation 4; Violation 5403: Minus 60% for size of company.

Citation 5; Violation 5404: Minus 60% for size of company.

Citation 6; Violation 5405: Minus 60% for size of company.

Citation 7; Violation 5406: Vacated

Citation 8; Violation 5407: Minus 60% for size of company.

Citation 9; Violation 5408: Minus 60% for size of company.

First payment of \$947.00 is due October 2, 2013. Second payment of \$947.00 is due November 2, 2013. Third payment of \$946.00 is due on December 2, 2013.

Mike Fehler who conducted this project will terminate his lead abatement supervisor certification. Midwest Builders will retain lead Contractor certification.

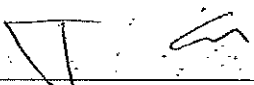
ADMINISTRATIVE FINE SETTLEMENT AMOUNT: \$ 2,840



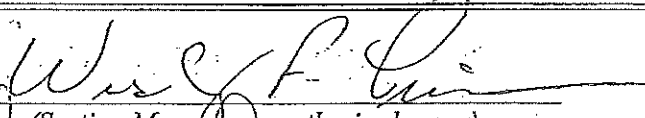
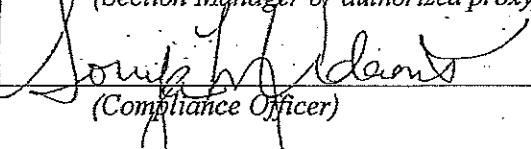
Case #	13-0062
--------	---------

By agreeing to this settlement agreement, the undersigned expressly waives any right to appeal the Department's enforcement action. Should the undersigned fail to fully comply with the terms of this settlement agreement, the original enforcement action will be reinstated, including any administrative fine, and becomes final. The State of Michigan will be free to seek a writ of garnishment and pursue any other lawful collection actions.

The undersigned Authorized Person accepts and agrees to fully abide by the terms and conditions for settlement referenced herein. Remittance of the administrative fine settlement amount, if any, is due within 15 business days of this settlement (see "Remittance" for instructions):

 (Signature of Authorized Person)	9-17-13 (Date)
Joseph Fehle (Printed Name of Authorized Person)	Pres (Title)

The undersigned members of the department accept the terms and conditions of the settlement of the enforcement actions referenced herein:

 (Section Manager or authorized proxy)	9-17-13 (Date)
 (Compliance Officer)	9-17-13 (Date)

**REMITTANCE**

Remittance of administrative fines, if any, is due within 15 business days of acceptance. Remittance should be made out to the "State of Michigan" and returned to:

MDCH -- Healthy Homes Section  
Attn: Compliance Officer  
201 Townsend St. -- 4<sup>th</sup> Floor  
P.O. Box 30195  
Lansing MI 48909





Rick Snyder  
Governor

Michigan Department of Community Health

Reply to: Healthy Homes Section

201 Townsend Street - 4th Floor

Lansing, MI 48913

(517) 335-9390

Thursday, June 27, 2013

**CITATION OF VIOLATION AND ENFORCEMENT ACTION**

**Midwest Builders**

**Case Number: 13-0062**

**Citation Number 1**

**Administrative fine: \$1,500.00**

**Violation Number 5399**

On 6/13/2013 the Department determined that the above named person violated the Lead Abatement Act or Lead Remediation rule number MCL 333.5475 (2)(e) as follows: The Company failed to restrict untrained or uncertified individuals from performing regulated lead-based paint activities or from coming into contact with lead at the site where regulated activities are being performed.

**Description of violation:**

Company used uncertified personnel to conduct lead abatement work (see photo files).

**Date by which the condition(s) must be corrected:**

Immediately

*Vacate*

*Tim McCarthy*  
*P-03357*

*Andy Helfrich*  
*P-05946*

**Citation Number 2**

**Administrative fine: \$2,000.00**

**Violation Number 5401**

On 6/27/2013 the Department determined that the above named person violated the Lead Abatement Act or Lead Remediation rule number MCL 333.5475 (2)(e) as follows: The Company failed to restrict untrained or uncertified individuals from performing regulated lead-based paint activities or from coming into contact with lead at the site where regulated activities are being performed.

**Description of violation:**

Company failed to restrict uncertified personnel from conducting work on an active lead abatement site. Two electricians, Richard Corsi and James Weiss, from White Lake Electric.

**Date by which the condition(s) must be corrected:**

Immediately

*Vacate*

*\$7,100*

*- 4260*

*\$2840*



**Midwest Builders**  
**Case Number: 13-0062**

---

**Citation Number 3**

**Administrative fine: \$2,500.00**

**Violation Number 5402**

On 6/27/2013 the Department determined that the above named person violated the Lead Abatement Act or Lead Remediation rule number 325.99401(2) as follows: The Company failed to use documented methodologies to perform lead hazard control activities.

**Description of violation:**

Inadequate/Incomplete application of rule requiring protective ground cover, such as plastic sheeting, be employed during interior abatement as required by documented methodologies (HUD Guidelines, Chapter 8).

**Date by which the condition(s) must be corrected:**

Immediately

---

**Citation Number 4**

**Administrative fine: \$1,000.00**

**Violation Number 5403**

On 6/27/2013 the Department determined that the above named person violated the Lead Abatement Act or Lead Remediation rule number 325.99401(2) as follows: The Company failed to use documented methodologies to perform lead hazard control activities.

**Description of violation:**

HVAC registers were not sealed off in the work area as required by documented methodologies.

**Date by which the condition(s) must be corrected:**

Immediately

---

**Citation Number 5**

**Administrative fine: \$1,000.00**

**Violation Number 5404**

On 6/27/2013 the Department determined that the above named person violated the Lead Abatement Act or Lead Remediation rule number 325.99401(2) as follows: The Company failed to use documented methodologies to perform lead hazard control activities.

**Description of violation:**

Removed components/debris were not wrapped in plastic sheeting as required by documented methodologies (HUD Guidelines, Chapter 11.II D.3).

**Date by which the condition(s) must be corrected:**

Immediately



**Midwest Builders**  
**Case Number: 13-0062**

---

**Citation Number 6**

**Administrative fine: \$1,000.00**

**Violation Number 5405**

On 6/27/2013 the Department determined that the above named person violated the Lead Abatement Act or Lead Remediation rule number 325.99401(2) as follows: The Company failed to use documented methodologies to perform lead hazard control activities.

**Description of violation:**

Company used failed to use a HEPA vacuum during cleanup activities of a lead abatement site, as required (HUD Guidelines, Chapter 14, page 6).

**Date by which the condition(s) must be corrected:**

Immediately

---

**Citation Number 7**

**Administrative fine: \$2,500.00**

**Violation Number 5406**

On 6/27/2013 the Department determined that the above named person violated the Lead Abatement Act or Lead Remediation rule number 325.99401(2) as follows: The Company failed to use documented methodologies to perform lead hazard control activities.

**Description of violation:**

Company failed to adequately protect occupant belongings from lead dust and debris with plastic sheeting as required (HUD Guidelines, Chapter 8).

**Date by which the condition(s) must be corrected:**

Immediately

*Vacate*

---

**Citation Number 8**

**Administrative fine: \$800.00**

**Violation Number 5407**

On 6/27/2013 the Department determined that the above named person violated the Lead Abatement Act or Lead Remediation rule number 325.99406(6)(a) as follows: Project Supervisor did not maintain the required Occupant Protection Plan on-site during hazard control activities.

**Description of violation:**

Company failed to maintain occupant protection plan, specific to the project home, at the work site, as required.

**Date by which the condition(s) must be corrected:**

Immediately



**Midwest Builders**  
**Case Number: 13-0062**

---

**Citation Number 9**

**Administrative fine: \$800.00**

**Violation Number 5408**

On 6/27/2013 the Department determined that the above named person violated the Lead Abatement Act or Lead Remediation rule number 325.99408(1) as follows: The Company failed to submit a complete abatement project notification to the department not less than 3 business days prior to start of a hazard control activity.

**Description of violation:**

Company failed to submit a Notification of Lead Abatement Activity form.

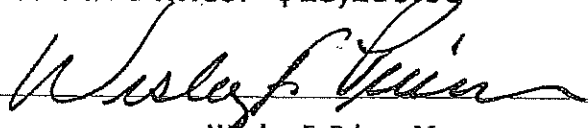
**Date by which the condition(s) must be corrected:**

Immediately

---

**Total Administrative fines: \$13,100.00**

**Authorized by:**



Wesley F. Priem, Manager

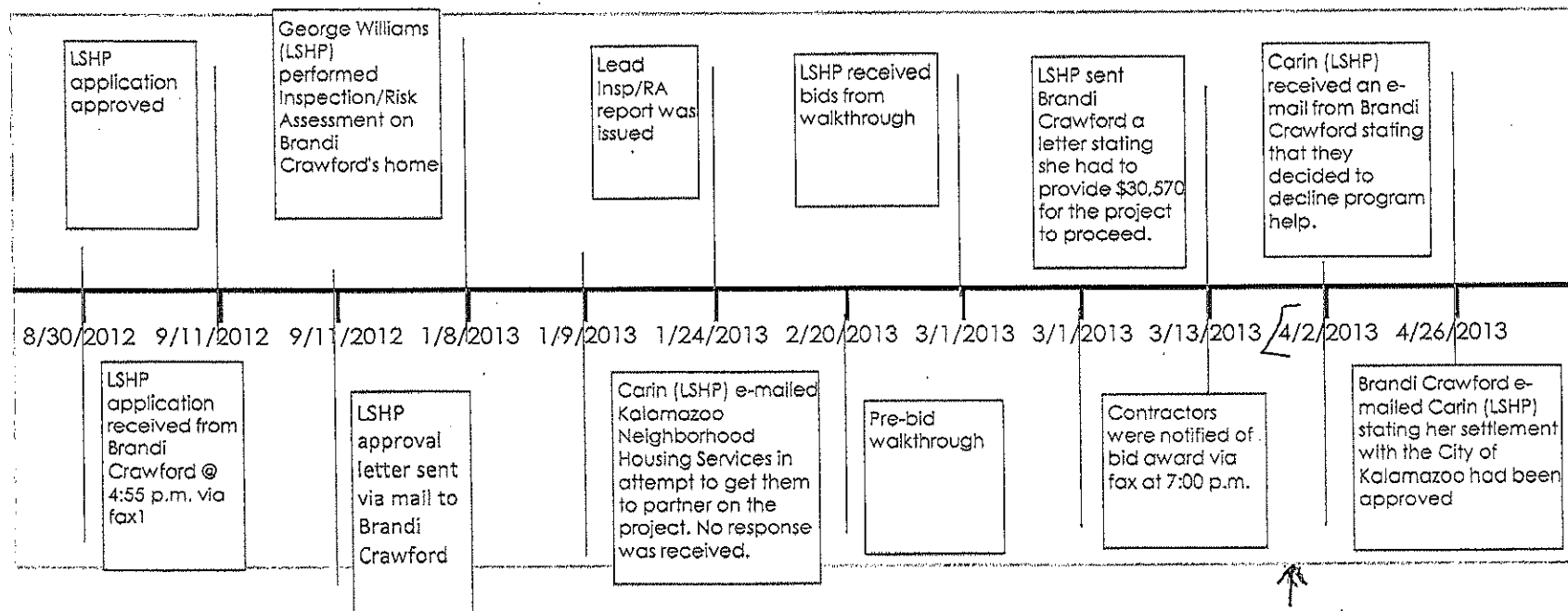


130062 MIDWEST

Parmenter O'Toole  
William Meier  
231-722-5409

Exhibit G

## Midwest/Crawford Timeline



3/18/13  
Change order  
MPCW  
For soil



## Midwest/Crawford

Received  
a tip that  
work was  
ongoing  
at 915 N.  
Park

5/23/2013

5/23/2013

JC Conducted  
unannounced  
compliance  
inspection

6/27/2013

Citation  
was  
issued.

7/13/2013

Midwest  
requested  
appeals





Michigan Department of Community Health  
Healthy Homes Section

## CASE CLOSURE

CASE# 13-0062

### CONTRACTOR/PROFESSIONAL INFORMATION

Case Number: 13-0062

Submit Date: 12/3/2013

Regulated Party: Midwest Builders

### INVESTIGATION INFORMATION

Investigation Date: 6/5/2013

Site Address: 915 N. Park Street

City: Kalamazoo

#### *Brief Case Summary:*

JC conducted an unannounced compliance inspection at 915 N. Park St., Kalamazoo where Midwest was contracted for abatement services by the home owner. Mr. Fehler claimed that the work was RRP because it was all private money. JC continued to take pictures.

The intent of the work was to conduct lead abatement. Deficiencies noted: two uncertified workers on site, not abatement notification, no plastic ground cover, Brooms used instead of HEPA vacuums to clean up the floors, HVAC registers not sealed, unwrapped debris on the floor, 2 uncertified electricians on site.

Conference held, Settlement reached. Fine of \$2,840 remitted in full.

### CASE CLOSURE CHECKLIST

Enforcement History: NA

Complaint/Tip Form DCH-0655: Thursday, May 23, 2013

Compliance Worksheet DCH-0649C/P: NA

Photo-documentation CD: ☒

Letter of Inquiry Sent Date: NA

Citation Worksheet DCH-0657: ☒

Enforcement Action: Thursday, June 27, 2013

EARF Received: NA

Appeals Date: Wednesday, September 04, 2013

Settlement Acknowledgement DCH-1246(E): NA

Management directives prior to closure:


Authorization: \_\_\_\_\_

Wesley Priem, HHS Program Manager

\_\_\_\_\_  
Date







**ATTACHMENT E.**







## Pilny, Edward

---

**From:** Brandi Crawford-Johnson [bcrawfordkc@gmail.com]  
**Sent:** Saturday, October 26, 2013 3:43 PM  
**To:** Pilny, Edward  
**Subject:** Fwd: Lead Abatement  
**Attachments:** Image (105).jpg

----- Forwarded message -----

**From:** **Brandi Crawford-Johnson** <bcrawfordkc@gmail.com>  
**Date:** Sat, Oct 26, 2013 at 4:36 PM  
**Subject:** Lead Abatement  
**To:** [adamss6@mi.gov](mailto:adamss6@mi.gov), "Copeland, James (DCH)" <[copelandj3@michigan.gov](mailto:copelandj3@michigan.gov)>, [wagarj@mi.gov](mailto:wagarj@mi.gov)

Sonya,

The reason I am so concerned with getting my file is I want to know specifically what you violated Midwest Training for doing wrong on my abatement. I am very concerned and noticed with my own eyes they were using unsafe work practices. Their employees were negligent in performing my abatement and them along with the clearance company they hired put my family at risk. My son had an elevated lead level when this started and I don't think anyone was taking this seriously. I am not sure if you guys have a copy so I will attach. When Jim called me and told me they were under investigation and he was taking his own pictures that got me to notice my own things as well. After I received the clearance I was assured the abatement was done right by having a cleared project. Clearances are not provided until Lead abatement projects are complete. After I received it I did let the company go before they finished the rest of their work not related to lead in their contract. The purpose for the job was lead abatement. Their suggestions is what added other projects to it. I was very hurt and upset that this company did not follow laws or abatement procedures that they were trained in. I was also upset to find out a clearance was not done properly.

My son's health is most important to me. I need to know what other precautions to take so that is why I need specifics on what wasn't done properly. I was also wondering if you could refer me to someone who does scratch testing to see if encapsulation was used or if that was noted in their record keeping that I am sure you asked for. My family's health and safety is most important to me and I am hoping you and your department can cooperate with me to protect that.

Thank you,  
Brandi Crawford-Johnson









familyhealthcenter



Brandi Crawford  
915 N. Park Street  
Kalamazoo, Mi. 49007

RE: Thomas Crawford

Paterson Site  
117 West Paterson Street  
Kalamazoo, MI 49007

Sheridan Site  
2918 Portage Street  
Kalamazoo, MI 49001

Centre Site  
325 East Centre Avenue  
Portage, MI 49002

Burdick Site  
1308 North Burdick Street  
Kalamazoo, MI 49007

Healthcare  
for the Homeless  
431 North Rose Street  
Kalamazoo, MI 49007

Edison School-Based  
Health Center  
924 Russell Street  
Kalamazoo, MI 49001

Portage Street WIC Office  
2624 Portage Street  
Kalamazoo, MI 49001

Administrative Offices  
117 West Paterson Street  
Kalamazoo, MI 49007  
p 269-349-4257  
f 269-349-2898

Main Number  
p 269-349-2641

Dear Mrs. Crawford,

Your son Thomas Crawford, (D.O.B. 3/04/2005) has an elevated level of lead according to his most recent lead test. It is important for the maintenance of health to keep him away from anything that could cause lead poisoning.

J.R. B-DeLeon, MD

Family Health Center  
117 W. Paterson St.  
Kalamazoo, MI 49007

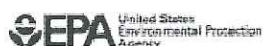
hl 03/14

"We provide quality, comprehensive primary care to all in a welcoming environment"









## Lead

## Certified Renovation Firms

The following 19 certified renovator firms match the criteria that you specified.

- Firm Location: 16850 120th street, nunica, michigan 49448 (within 5 miles)
- Discipline: Renovator

[New Search](#) [Modify Search](#) [Print Results](#)

Firm	Categorization		Certification	
	Lead Dust Sampling Technician	Renovation	Number	Expiration Date
<b>Midwest Training Services</b> 16850 120th Ave, Suite B Nunica , Michigan 49448 <a href="mailto:midwesttrainingservices@gmail.com">midwesttrainingservices@gmail.com</a> (616) 837-0000		X	NAT-42877-1	05/28/2015
<b>Home Accents R US, LLC.</b> 17290 Woodland Ln. Nunica , Michigan 49448 <a href="mailto:TomJoanne74@sbcglobal.net">TomJoanne74@sbcglobal.net</a> (616) 638-5159		X	NAT-51288-1	06/03/2015
<b>Matthew T. Ray</b> 13165 Apple Dr. Nunica , Michigan 49448 <a href="mailto:mtray99@hotmail.com">mtray99@hotmail.com</a> 616-742-3712		X	NAT-F110413-1	02/28/2018
<b>All In One Residential Construction</b> 12348 N. Cedar Dr. Grand Haven , Michigan 49417 <a href="mailto:TomHoek@yahoo.com">TomHoek@yahoo.com</a> (616) 293-4187		X	NAT-104561-1	03/11/2016
<b>Purcell Home Improvement, LLC</b> 14411 Cleveland Street Spring Lake , Michigan 49456 <a href="mailto:jbreuker@sbcglobal.net">jbreuker@sbcglobal.net</a> (616) 846-4770		X	NAT-34439-1	05/03/2015
<b>Timothy Sheridan</b> 9545 State Rd. Nunica , Michigan 49448 <a href="mailto:modelt14@altelco.net">modelt14@altelco.net</a> (616) 837-8474		X	NAT-94028-1	12/16/2015
<b>Tri-Cities Area Habitat For Humanity</b> P.O. Box 707 Grand Haven , Michigan 49417 <a href="mailto:jeffv@tricityshabitat.org">jeffv@tricityshabitat.org</a> (616) 846-1505		X	NAT-105186-1	03/14/2016
<b>Anderson Roofing and Construction LLC</b> 15527 144th Ave. Spring Lake , Michigan 49456 <a href="mailto:kandy1018@gmail.com">kandy1018@gmail.com</a> 231-638-6210		X	NAT-F115022-1	08/02/2018
<b>Garage Door Specialist, Inc.</b> 14860 Michael Lane Spring Lake , Michigan 49456		X	NAT-74938-1	09/10/2015



<a href="mailto:contact@garagedoorspecialist.biz">contact@garagedoorspecialist.biz</a> (616) 846-5463				
<b>Purcell Home Improvement LLC</b> 14998 Cleveland St. Suite K Spring Lake , Michigan 49456 (616) 846-4770		X	NAT-122506-1	03/23/2017

## Disclaimer

For your convenience, the U.S. Environmental Protection Agency (EPA) publishes this list of certified renovation firms that meet EPA's standards to perform renovation activities involving lead-based paint. The list is an information resource only. EPA does not endorse any of the firms included on this list nor do we provide any warranty about their performance. Consumers are advised to request bids and conduct reference checks before engaging any firm/contractor.

---

1 2 [Next] [Show All]

---



COMPANY NAME	CONTACT ▲	E-MAIL	ADDRESS
<b>A-Z Renovation Specialist llc</b> Telephone: (248) 667 - 8073 Prime or Sub: Not Available Attended Meeting: Not Stated	Darrin Cobb	dewittdunson@gmail.com	6596 mather rd
<b>Demand Industrial</b> Telephone: (810) 458 - 4511 Prime or Sub: Not Available Attended Meeting: Not Stated	Aaron Demand	ademand@demandindustrial.net	PO Box 817
<b>Midwest Training &amp; Environmental Services</b> Telephone: (616) 837 - 0000 Prime or Sub: Not Available Attended Meeting: Not Stated	Joseph Fehler	midwestbox67@aol.com	P.O. Box 67
<b>White Pine Building &amp; Development LLC</b> Telephone: (586) 489 - 3771 Prime or Sub: Not Available Attended Meeting: Not Stated	Bradley Freestone	whitepinebuilding@gmail.com	49047 Driftwood Driv
<b>American Mobile Office &amp; Container</b> Telephone: (586) 779 - 8000 Prime or Sub: Not Available Attended Meeting: Not Stated	William Gmeiner	bgmeiner@americanmobileoffice.com	13930 Brainbridge
<b>Protech Environmental Services</b> Telephone: (734) 761 - 3595 Prime or Sub: Not Available Attended Meeting: Not Stated	Kurt Hudgins	hudgins@protechenvironmental.com	251 Jackson Plaza
<b>d&amp;t home improvement</b> Telephone: (586) 994 - 1642 Prime or Sub: Not Available Attended Meeting: Not Stated	Don Joseph	ddj52260@comcast.net	21670 ambassador
<b>Finishing Trades Consulting</b> Telephone: (810) 635 - 4031 Prime or Sub: Not Available Attended Meeting: Not Stated	Jeffrey Kelley	jkelly71@hotmail.com	7132 Abbey Lane
<b>United Mobile Power Wash Inc.</b> Telephone: (248) 356 - 9616 Prime or Sub: Not Available Attended Meeting: Not Stated	Rachel Mahrle	Rachel@WeKeepItClean.com	21665 Melrose Ave
<b>Environmental Testing &amp; Consulting, Inc.</b> Telephone: (734) 955 - 6600 Prime or Sub: Not Available Attended Meeting: Not Stated	Patricia Mansfield	Pat.S@2etc.com	38900 W. Huron Riv
<b>BidClerk</b> Telephone: (877) 737 - 6482 Prime or Sub: Not Available Attended Meeting: Not Stated	Jim Rittenhouse	govbids@bidclerk.com	28 N Clark, Ste. 450
<b>global green service group</b>	clayton robinson	butch@ggsg1.com	27113 powers



## Closed Bids

### ITB-CR-Erben - Lead Abatement Project - Erben

#### Plan Holder List

Export to Excel

#### Definition of "Plan Holder" For City of St. Clair Shores

The company information shown is not the official plan holder list for City of St. Clair Shores. To obtain the official plan holder list, please contact the City of St. Clair Shores.

Companies must obtain all documents designated as "key" to be considered a plan holder. These documents can be obtained from the City of St. Clair Shores.

<b>Pre-Bid Meeting:</b>	Job-Walk Visit Mandatory on 07/24/2013 09:00 AM at 21400 Erben, S
<b>Cost of Plans and Specs:</b>	None online + Cost varies for pick up
<b>For More Information Contact:</b>	Mr. Chris Rayes, 586-447-3337, Chris@scsmi.net

#### Not Official Plan Holder List

COMPANY NAME	CONTACT ▲	E-MAIL	ADDRESS
<b>JACK General Supplies</b> Telephone: (550) 635 - 8546 Prime or Sub: Not Available Attended Meeting: Not Stated	Jordan Ackles	jordan.ackles.jgs@aol.com	252 Robins Ln SE # 97306
<b>Akins Construction, Inc.</b> Telephone: (586) 254 - 0992 Prime or Sub: Not Available Attended Meeting: Not Stated	Randy Akins	akins@akinsconstruction.net	6565 Nevada
<b>Majestic Contractors LLC</b> Telephone: (313) 533 - 7960 Prime or Sub: Not Available Attended Meeting: Not Stated	Antonio Bell	antoniob@majesticcontractors.com	19106 W. McNichols
<b>cross renovation</b> Telephone: (734) 286 - 2244 Prime or Sub: Not Available Attended Meeting: Not Stated	mike butcher	dale@CROSSRENOVATION.COM	28941 john hawk

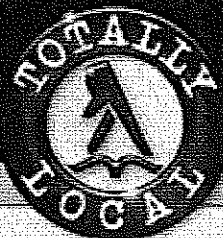




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Nunica Local Business Directory > Lead Inspection Testing & Consulting > Success Enterprise & Enviromental Services

## Success Enterprise & Enviromental Services

(616) 837-6005  
16850 120th Ave  
Nunica, MI 49448

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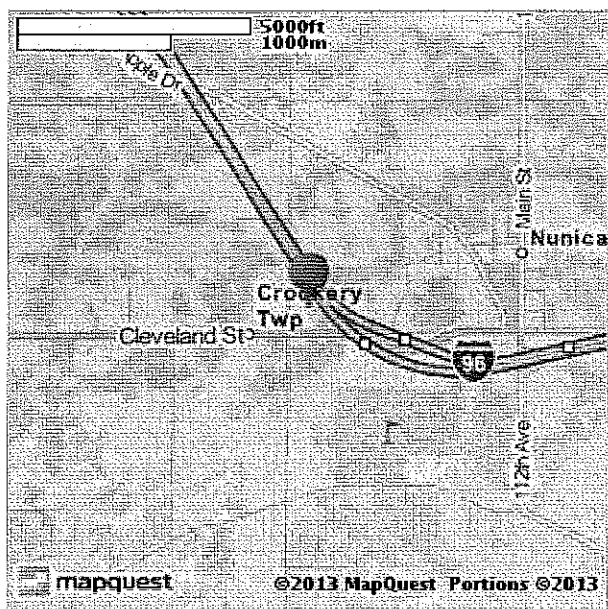


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Nunica Local Business Directory > Schools & Education > Midwest Training Services

## Midwest Training Services

(616) 837-0000  
16850 120th Ave  
Nunica, MI 49448

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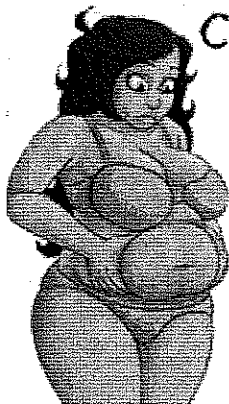
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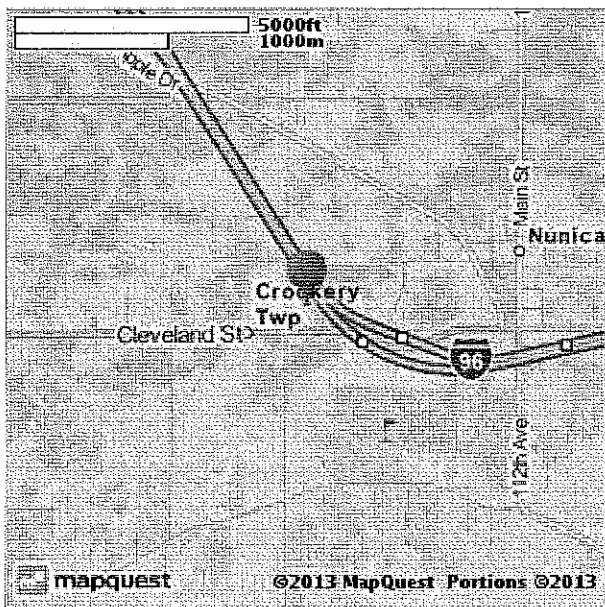


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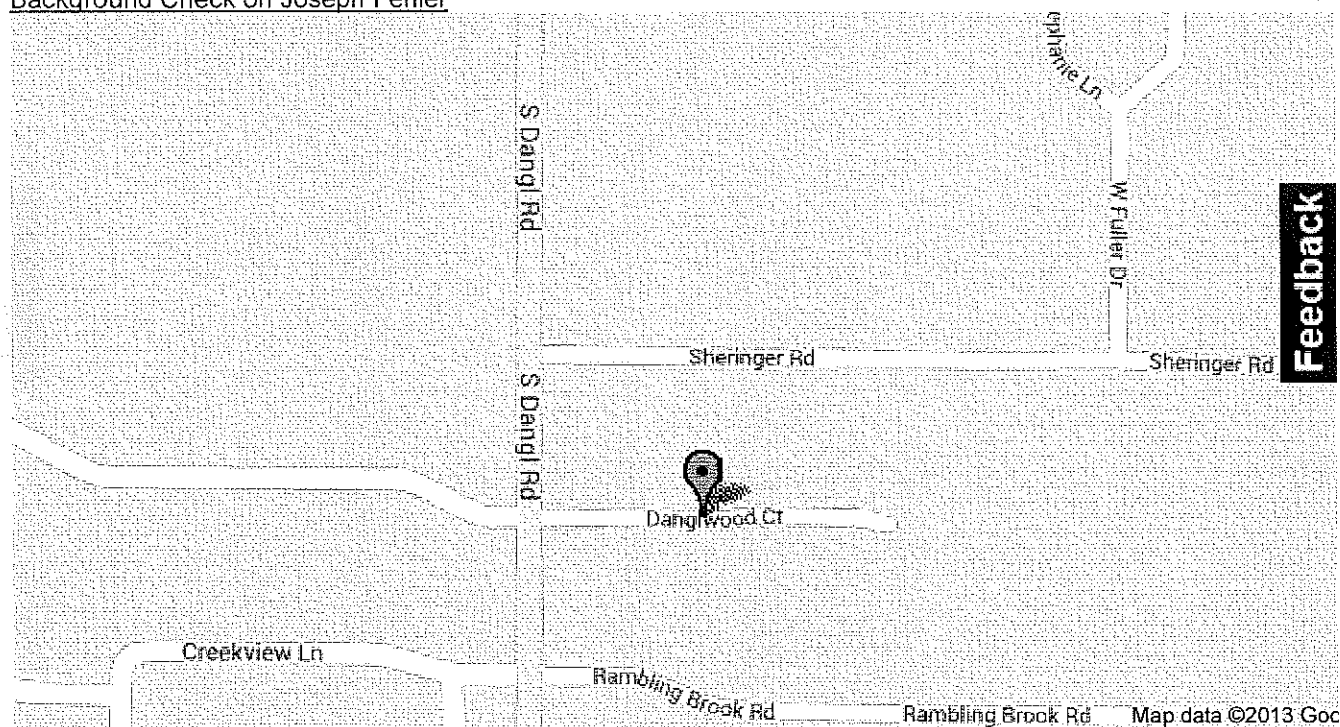
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Joseph Fehler			

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Mike Fehler			

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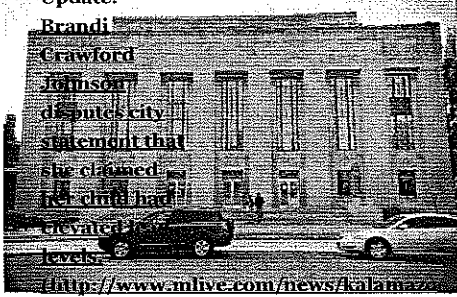
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- Flint
- Grand Rapids
- Jackson
- Kalamazoo

City of Kalamazoo to pay homeowner \$115,000 in settlement over lead-based paint

Print (<http://blog.milwaukeejournal.com/2013/04/city-of-kalamazoo-to-pay-10meo.html>)  
 (http://connect.milwaukeejournal.com/user/EmilyMonacelli/index.html)By Emily Monacelli |  
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Kalamazoo City Hall  
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**KALAMAZOO, MI** -- A Kalamazoo homeowner will receive a \$115,000 settlement from the **city of Kalamazoo** (<http://topics.mlive.com/tag/city-kalamazoo/index.html>), after claiming city officials' failure to disclose the possibility of lead-based paint in her home caused her minor child to have elevated lead levels.

Brandi Crawford bought the two-story, 1,800-square-foot home at 915 N. Park St. from the city in August 2012 for \$3,200. In March 2013, she filed a claim that city officials had not provided her with an Environmental Protection Agency-



approved form warning her of the potential of lead-based paint in the home.

• Bay City  
• Detroit  
• Flint  
• Grand Rapids

In the claim, Crawford alleged that city officials knew the 110-year-old home contained lead-based paint but failed to provide a pamphlet and a checklist and that a sales agreement did not include language pertaining to lead-based paint, according to a city press release. Under federal law, the city must have provided such disclosure since the home was built before 1978.

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City officials acknowledge they failed to provide the documents, but deny knowing that lead-based paint was in the house. Kalamazoo City Attorney Clyde Robinson said the city was not required to test the property for lead, but it had an obligation to disclose that there may be lead in the home.

"We did not know there was lead-based paint on the property," Robinson said Monday, after the Kalamazoo City Commission (<http://topics.mlive.com/tag/Kalamazoo%20City%20Commission/index.html>) unanimously voted for the settlement. "We did no testing."

**Related: Big yard, nice porch attracted Kalamazoo homeowner who won \$115,000 lead-paint settlement, she says**  
([http://www.mlive.com/news/kalamazoo/index.ssf/2013/04/kalamazoo\\_homeowner\\_lead-based.html](http://www.mlive.com/news/kalamazoo/index.ssf/2013/04/kalamazoo_homeowner_lead-based.html))

Crawford's purchase agreement stated that the home had gone through tax foreclosure and was being sold as-is, according to the press release. She had 30 days to conduct an environmental review of the property, but she did not bring her concerns to city officials.

"In January, city officials notified Crawford and the purchasers of two other pre-1978 properties that it had failed to provide the required lead information at their closings," the press release stated.

The city had acquired the home from the state of Michigan in 2007 after the property went into tax foreclosure. It was considered eligible for the city's rehabilitation and resale program, but city officials decided to sell it "as is" due to high estimated renovation costs.

Robinson said city officials and Crawford will have to attend a hearing in Kalamazoo County Probate Court to determine whether the settlement is in the best interest of the child.

*Emily Monacelli is a local government reporter for the Kalamazoo Gazette. Contact her*

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at [emonacel@mlive.com](mailto:emonacel@mlive.com) (mailto:emonacel@mlive.com). Follow her on Twitter (http://www.twitter.com/emilymonacelli).

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ost/2013-04-16/1366154058-286-764.html)  
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That women didn't make a fortune if she is putting the money into the house. Sounds like she just wanted her house fixed and it will bring property taxes up and create revenue for the city.

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# ANALYTICAL TESTING & CONSULTING SERVICES, INC.

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14625 Doster Road  
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E-mail: atcsinc@aol.com

Ms. Crawford

## LEAD RISK ASSESSMENT REPORT FOR THE PROPERTY LOCATED AT

**Brandi Crawford Johnson**  
916 N Park Street  
Kalamazoo, MI 49007

### PREPARED FOR

**Christine Vandenburg**  
Chenard and Osborn Insurance  
2432 Camelot Ct SE  
Grand Rapids, MI 49546

REPORT PREPARED AND SUBMITTED BY  
**ANALYTICAL TESTING & CONSULTING SERVICES, INC.**

**December 18<sup>th</sup>, 2013**

**LAB # 9263**





# ANALYTICAL TESTING & CONSULTING SERVICES, INC.

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2156 South 11<sup>th</sup> Street  
Kalamazoo, Michigan 49009  
Phone: (616) 372-2210  
Fax: (616) 372-3088  
E-mail: [atcsinc@aol.com](mailto:atcsinc@aol.com)

## Summary

Doug Haase of Analytical Testing & Consulting Services, Inc. (ATCS) conducted a lead risk assessment on December 18<sup>th</sup>, 2013 of the residence located at 915 N Park Street Kalamazoo, Michigan. Mr. Haase is a State of Michigan accredited Lead Risk Assessor; his certification number is P-0383. See Appendix E for copies of assessor qualifications.

The instrument used for this investigation was an X-ray fluorescence (XRF) NITON XL-309 unit, registration number U614NA083. The NITON XRF Model XL-309 is a hand held, portable lead detector, designed to make fast, accurate nondestructive measurements of lead concentration in lead-based paint. X-ray fluorescence is produced by exciting an atom with x-rays which causes the excited atoms to give off its characteristic x-rays. Using the XRF, we "shoot" atoms with x-rays and capture the x-rays' fluorescence, which we can measure to determine the identity of the atoms.

The subject property is a two-story residential home, facing east, with an unfinished Michigan basement and no shed. The exterior of the home is made up of vinyl siding (wood below vinyl). This residence has an aluminum soffit/fascia, vinyl windows, with an open front porch. Wall types are made of plaster and drywall within the home. The flooring in this residence consists of carpet and linoleum. The basement windows are glass block and the wall types are concrete/block and stone.

The following locations were found to contain lead paint above the current standard and found to be a current lead hazard:

- \*Walls located in rooms 3, 1st floor bathroom, Stairs up, 2nd Stairs, 2nd floor old kitchen, and 2nd floor Bathroom.
- \*Ceilings located in the front porch, Kitchen, Stairs up, 2nd Stairs and room 3 & 6.
- \*Window Sills located in the Front porch, Room 1 & 8 and Porch Upper.
- \*Window casing located in the Upper Porch.
- \*Stair Tread and Stringer on Basement steps.
- \*Stair Riser on Stair 2nd.
- \*Baseboards on Stairs 2nd and Stairs Basement.
- \*Elevated lead dust samples in the basement and ventilation system.
- \*Visual lead chips on drip line and yard.



## 0.0 Home Owner Information

The following questionnaire is the HUD form 5.0, which details children's habits and family use patterns for the home. The answers were generated from the homeowner via an interview with the risk assessor.

### Children/Children's Habits

1. (a) Do you have any children that live in your home? Yes  
(If no children, skip to Question 5.)  
(b) If yes, how many? One  
Ages? 8yrs old  
(c) Record blood levels, if known: Son was a 8.5 ug/dl in past measurements  
(d) Are there women of child-bearing age present? Yes
2. Location of the rooms/areas where child sleeps, eats, and plays.

Name of child	Location of bedroom	Location of all rooms where child eats	Primary location where child plays indoors	Primary location where child plays outdoors
Thomas William Crawford	Room 5	Rooms 1 & 2	Rooms 1, 3, 5 & 6	Porch, Front and Back Yard

3. Where are the toys stored/kept? Childs Bedrooms
4. Is there any visible evidence of chewed or peeling paint on the woodwork, furniture, or toys?  
No

### Family Use Patterns

5. Which entrances are used most frequently? Front and Back
6. Which windows are opened most frequently? All of them, since they were new.
7. Do you use window air conditioners? If yes, where? Yes, in the past. But will be getting Central Air Conditioning.  
(Condensation often causes paint deterioration)
8. (a) Do any household members garden? No  
(b) Location of garden? NA  
(c) Are you planning any landscaping activities that will remove grass or ground covering? No
9. (a) Which areas of the home get cleaned regularly? All  
(b) Which areas of the home do not get cleaned regularly? Basement
10. (a) Are any household members exposed to lead at work? No



11. (a) Do you have any pets? Yes  
(b) If yes, do these pets go outdoors? Outdoor dog, pen in SW corner of lot.
12. (a) Did you recently complete any building renovations in the past year? Yes, See attached Risk from 2007.  
(b) If yes, where? Exterior: New windows, siding, fascia soffit, paint foundation, paint front porch, new roof, and doors.  
Interior: New kitchen, new doors, new drywall in many locations, new floors, Dry wall and Skim coat most of home, & paint.  
(c) Was building debris stored in the yard? If yes, where? Yes, painted wood was stored in the yard without plastic cover. Paint chips litter the yard  
(d) Were carpets, furniture and/or family belongings present in the work areas? If yes, which items and where? Yes the homeowner stored many items in the basement that were not covered (as per homeowner and State official).
13. Are you planning any building renovations? If yes, where? Yes, to abate properly the items that are hazards. Many surfaces are deteriorated since the completion of the lead abatement. Paint chips were also left by the lead abatement contractor. These all need to be completed so my family can live in a safe environment.

#### 1.0 Visual Inspection

A visual inspection was performed on the exterior and the interior of the house to determine where deteriorated paint exists and if it contains lead. This survey is being conducted because the past contractors deficiencies in making the home lead safe. Sections of the house are labeled Side A, B, C or D. The side of the house from which the street address is given is Side A. Side B, C and D are then labeled clockwise from Side A. This labeling system applies to the exterior as well as each room in the house. Please see Appendix A for a site location map illustrating this labeling system.

The HUD Form 5.1, Building Condition Form, was used to assess the building's structural integrity as part of the visual assessment.

Condition	Yes	No
Roof missing parts of surfaces (tiles, boards, shakes, etc.)		X
Roof has holes or large cracks (Valley on side D leaking below siding)	X	
Gutters or downspouts broken (Ice dams in all gutters leading to damage)	X	
Chimney masonry cracked, bricks loose or missing, obviously out of plumb		X
Exterior of interior walls have obvious large cracks or holes, requiring more than routine pointing (if masonry) or painting (Delamination)	X	
Exterior siding has missing boards or shingles		X
Water stains on interior walls or ceilings		X



Plaster walls or ceilings deteriorated (Delamination of walls and ceilings)	X	
More than "very small" amount of paint in a room deteriorated	X	
Two or more windows or doors broken, missing, or boarded up		X
Porch or steps have major elements broken, missing, or boarded up		X
Foundation has major cracks, missing material, structure leans, or visibly unsound		X
*Total number	5	7

\*If the "Yes" column has two or more checks, the dwelling is usually considered to be in poor condition for the purposes of a risk assessment. However, specific conditions and extenuating circumstances should be considered before determining the final condition of the dwelling and the appropriateness of a lead hazard screen.

The following chart contains descriptions of components sampled with the XRF unit that tested positive for lead-based paint. As defined by the nature of a lead risk assessment, only areas with deteriorated paint need to be tested with the XRF unit. However, components that are in good condition are tested if they are friction and impact surfaces; which are discussed in Section 6.

Component	Location	Condition
Wall	Rooms:3 1st floor bathroom Stairs up 2nd stairs 2nd floor kitchen 2nd floor bath	Delamination of Skim coat.
Plaster Ceilings	Kitchen Stairs up 2nd stairs Room 3 Room 6	Delamination of Skim coat
Window Sills	Front porch Room 1 & 8 Porch upper	Chipping & Peeling
Window Casing	Porch upper	Chipping & Peeling
Stair Treads & Stringer	Basement	Chipping & Peeling
Stair Riser	Stairs 2nd	Chipping & Peeling
Baseboards	Stairs 2nd Stairs Basement	Chipping & Peeling



Please refer to the XRF Data forms in Appendix B. These forms contain the component's location, condition and whether they tested positive or negative for lead-based paint for all samples obtained using the XRF.

## 2.0 Summary Discussion of XRF Inspection

All surfaces that had deteriorated paint were tested with the XRF unit according to Performance Characteristic Sheet recommendations, distributed by the U.S. Environmental Protection Agency (EPA) and Department of Housing and Urban Development (HUD). See Appendix E for a copy of the Manufacturer's Performance Characteristic Sheet.

XRF technology utilizes low level radiation to excite atoms within a painted surface. This excited state produces energy, which the XRF unit is able to analyze. Based upon its analysis, the unit is able to determine if lead-based paint is present. The XRF will report lead in micrograms per square centimeter ( $\text{mg}/\text{cm}^2$ ). HUD recognizes paint to be lead containing if it contains equal to or greater than  $1.0 \text{ mg}/\text{cm}^2$ . This investigation recognizes the HUD standard of  $1.0 \text{ mg}/\text{cm}^2$ .

Surfaces that tested positive for lead are described above in the visual inspection section. The total XRF Lead Results table that can be found in Appendix B.

COMPONENT	ROOM	SUBSTRATE	SIDE	CONDITION	COLOR	FLOOR	Results	PbC	Units	PbL	PbL Error
WINDOW SILL	PORCH FRONT	WOOD	C	DETERIORATED	WHITE	FIRST	Positive	2.8	$\text{mg}/\text{cm}^2$	1.9	1
WINDOW SILL	ROOM 1	WOOD	A	DETERIORATED	WHITE	FIRST	Positive	4.1	$\text{mg}/\text{cm}^2$	4.1	3
WALL	ROOM 3	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	2	$\text{mg}/\text{cm}^2$	0.8	0.4
WALL	ROOM 3	PLASTER	B	DETERIORATED	WHITE	FIRST	Positive	3.9	$\text{mg}/\text{cm}^2$	1.6	1.7
WALL	ROOM 3	PLASTER	C	DETERIORATED	WHITE	FIRST	Positive	1.8	$\text{mg}/\text{cm}^2$	1.2	0.5
WALL	ROOM 3	PLASTER	D	DETERIORATED	WHITE	FIRST	Positive	2.3	$\text{mg}/\text{cm}^2$	0.9	0.5
WALL	BATHROOM	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	3.1	$\text{mg}/\text{cm}^2$	0.6	0.9
WALL	BATHROOM	PLASTER	B	DETERIORATED	WHITE	FIRST	Positive	5.4	$\text{mg}/\text{cm}^2$	2	1.9
CEILING	KITCHEN	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	5.4	$\text{mg}/\text{cm}^2$	0.8	2.1
WALL	STAIR UP	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	3.2	$\text{mg}/\text{cm}^2$	3.6	2.1
WALL	STAIR UP	PLASTER	D	DETERIORATED	WHITE	FIRST	Positive	4.5	$\text{mg}/\text{cm}^2$	3.5	2.4
WALL	STAIR UP	PLASTER	C	DETERIORATED	WHITE	FIRST	Positive	3.8	$\text{mg}/\text{cm}^2$	2.4	1.8
WALL	STAIR UP	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	5.2	$\text{mg}/\text{cm}^2$	6	6.4
CEILING	STAIR UP	PLASTER	C	DETERIORATED	WHITE	FIRST	Positive	3.1	$\text{mg}/\text{cm}^2$	2.7	1.6
CEILING	STAIR UP	PLASTER	A	DETERIORATED	WHITE	SECOND	Positive	8.1	$\text{mg}/\text{cm}^2$	0.4	1.5
WALL	KITCHEN	PLASTER	B	DETERIORATED	WHITE	SECOND	Positive	7.2	$\text{mg}/\text{cm}^2$	0.2	0.8
CEILING	ROOM 6	PLASTER	C	DETERIORATED	WHITE	SECOND	Positive	2.5	$\text{mg}/\text{cm}^2$	0.5	0.7
WINDOW SILL	PORCH UPPER	WOOD	C	DETERIORATED	WHITE	SECOND	Positive	1.5	$\text{mg}/\text{cm}^2$	1.5	0.4
WINDOW CASING	PORCH UPPER	WOOD	C	DETERIORATED	WHITE	SECOND	Positive	9	$\text{mg}/\text{cm}^2$	5.5	5.2
WALL	STAIR 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Positive	2.1	$\text{mg}/\text{cm}^2$	0.8	0.7
WALL	STAIR 2nd	PLASTER	B	DETERIORATED	WHITE	SECOND	Positive	1.8	$\text{mg}/\text{cm}^2$	0.23	0.24
WALL	STAIR 2nd	PLASTER	C	DETERIORATED	WHITE	SECOND	Positive	1.5	$\text{mg}/\text{cm}^2$	0.9	0.3
RISER	STAIR 2nd	WOOD	B	DETERIORATED	WHITE	SECOND	Positive	1.6	$\text{mg}/\text{cm}^2$	1.6	0.6
BASEBOARD	STAIR 2nd	WOOD	C	DETERIORATED	WHITE	SECOND	Positive	2.1	$\text{mg}/\text{cm}^2$	2.1	1
CEILING	STAIR 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Positive	2	$\text{mg}/\text{cm}^2$	0.8	0.7



WALL	BATHROOM 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Positive	2.5	mg / cm ^2	1	0.9
WALL	BATHROOM 2nd	PLASTER	B	DETERIORATED	WHITE	SECOND	Positive	4.4	mg / cm ^2	3.5	2.6
WALL	BATHROOM 2nd	PLASTER	D	DETERIORATED	WHITE	SECOND	Positive	1.4	mg / cm ^2	1	0.2
TREAD	STAIRS BASEMENT	WOOD	D	DETERIORATED	WHITE	BASEMENET	Positive	2.1	mg / cm ^2	2.2	0.8
STRINGER	STAIRS BASEMENT	WOOD	D	DETERIORATED	BLUE	BASEMENT	Positive	3.9	mg / cm ^2	3.1	2.6
BASEBOARD	STAIR BASEMENT	WOOD	D	DETERIORATED	BLUE	FIRST	Positive	1.5	mg / cm ^2	1.5	0.4

### 3.0 Dust Wipe Sampling

In addition to sampling with the XRF unit, other methods of locating lead were also utilized during this inspection. For example, dust wipe sampling was used and was conducted according to HUD guidelines.

Dust wipe samples are collected in the following manner:

1. An area located on the surface to be dust wiped no less than 0.1 ft<sup>2</sup> and no larger than 2 ft<sup>2</sup> is measured and recorded.
2. A single moist towelette is opened with a gloved hand and wiped across the sampling area in a series of "s" patterns.
3. The towelette is folded inward and placed into a container labeled with the site location identification, sample location and size of area wiped.
4. Samples are analyzed and reported by the laboratory in micrograms per square foot (µg/ft<sup>2</sup>).

Dust is considered lead burdened if a concentration above the following criteria for each surface is found to be present.

Floors	40 µg/ft <sup>2</sup>
Window sills (stools)	250 µg/ft <sup>2</sup>
Window troughs (wells)	400 µg/ft <sup>2</sup>

The following chart illustrates the lead wipe locations and concentrations for all wipes taken during the investigation. Elevated lead dust was located on the basement floor, and duct work for the heating system. The duct work was sampled to determine the current lead dust level. HUD do not address the recommended level, but would expect it to be no higher than a window trough.

Sample #	Description of Location	Results µg/ft <sup>2</sup>
9263-01	Room 1, Side D, Window Well	50.0
9263-02	Room 1, Side D, Floor	< 5.0
9263-03	Room 2, Side B, Window Sill	< 8.3
9263-04	Room 2, Side B, Floor	< 5.0
9263-05	Room 3, Side D, Window Well	42.0



9263-06	Room 3, Side D, Floor	< 5.0
9263-07	Room 5, Side C, Window Well	39.0
9263-08	Room 5, Side C, Floor	< 5.0
9263-09	Room 7, Side D, Window Sill	18.0
9263-10	Room 7, Side D, Floor	< 5.0
9263-11	Room 8, Side A, Window Sill	93.0
9263-12	Room 8, Side A, Floor	27.0
9263-13	Field Blank	ND
9263-14	<b>Room 2, Side B, Return Duct</b>	<b>730.0</b>
9263-15	<b>Room 4, Side B, Return Air Duct</b>	<b>600.0</b>
9263-16	<b>Basement Floor Wipe Bottom 8 Steps</b>	<b>320.0</b>

For a complete listing of all wipe results, please see Appendix C.

## 5.0 Soil Sampling

Soil samples, if collected, were following HUD guidelines from areas of exposed soil located on the property. Composite samples of soil from the upper ½ inch were collected and analyzed by Corrosion Control Consultants. According to EPA and HUD guidelines, a limit of 400 mg/kg (ppm) of lead is allowed in high contact area such as play areas and/or the exposed soil directly around the perimeter of the home. A limit of 1,200 mg/kg (ppm) is allowed in low contact areas such as the other parts of the yard.

The visual inspection of the soil was contaminated with paint chips on the drip line of the home. This is of concern since the starter strip for the siding must have a dust tight starter to keep old paint from below from being lost to the ground. Due to snow covering soil samples were not taken. Once snow melts, ATCS will can return to take soil sample, or the area can be considered positive for lead and be abated. The attached pictures in appendix A show demolition debris in the yard not covered by polyethylene. This with the AAA lead clearance that details paint chips in the yard. Abatement should include removal and replacement of soil to ~6 inches.

## 6.0 Friction and Impact Survey

Paint containing lead is most hazardous when it is chipping, peeling, cracking, chalking or on components such as doors, windows, and floors which encounter friction. Friction is the result of two objects rubbing together. Doors and door trim, as well as windows and window trim, encounter a significant amount of friction from being repeatedly open and shut. Painted flooring can also be



considered a friction surface due to foot traffic, hard soled shoes or roller chairs. These actions cause lead containing paints to be ground into fine dusts, making the lead available for human consumption.

All friction surfaces that tested positive for lead-based paint are listed in the chart below.

Friction Surface		
Component	Location	Condition
Stair Riser and Treads	2nd Stairs Basement Stairs	Friction / Impact surface

Following any encapsulation or removal, all surrounding areas such as floors and walls should be wiped down with a trisodium phosphate, phosphate free (TSP-PF) solution to insure the removal of any remaining lead debris.

## 7.0 Recommendations

Recommendations for all positive friction surfaces are listed above in the Friction and Impact Survey. Recommendations for all surfaces that tested positive for lead are listed below. If you are not going to abate lead-painted surfaces right away, you can still treat them so they create less lead dust. These recommendations are listed below as the interim control methods. Abatement means a measure or set of measures designed to permanently eliminate lead-based paint hazards. The abatement recommendations are also generally stated below.

Component	Location	Recommendations
Wall	Rooms:3 1st floor bathroom Stairs up 2nd stairs 2nd floor kitchen 2nd floor bath	Abatement –Enclose walls with drywall by following the lead hazard control program set by the State of Michigan and the 2012 HUD Guidelines. Qualified personnel should perform all abatement work. Label all areas with proper signage and make all areas dust tight.
Plaster Ceilings	Kitchen Stairs up 2nd stairs Room 3 Room 6	Abatement –Enclose ceiling locations with drywall by following the lead hazard control program set by the State of Michigan and the 2012 HUD Guidelines. Qualified personnel should perform all abatement work. Label all areas with proper signage and make all areas dust tight.
Window Sills	Front porch Room 1 & 8 Porch upper	Abatement-Wet scrape and sand all chips and delamination locations following the lead hazard control program set by the State of Michigan and the 2012 HUD Guidelines. Encapsulate all locations with two coats of encapsulant. Top coat can be a high grade paint.
Window Casing	Porch upper	Abatement-Wet scrape and sand all chips and delamination locations following the lead hazard control program set by the State of Michigan and the 2012 HUD Guidelines. Encapsulate all locations with two coats of encapsulant. Top coat can be a high grade paint.
Stair Treads	Basement	Abatement-Cover stair treads with a rubber from stringer to stringer. Clean, Label and screw and glue all stair treads. Apply metal bull nose to front of each step. Conduct all work following the lead hazard control program set by the State of Michigan and the 2012 HUD Guidelines.
Stair Riser	Stairs 2nd	Abatement-Cover stair treads with a rubber from stringer to stringer. Clean, Label and screw and glue all stair treads. Apply metal bull nose to front of each step. Conduct all work following the lead hazard control program set by the State of Michigan and the 2012 HUD Guidelines.



Stringer	Basement Stairs	Abatement-Wet scrape and sand all chips and delamination locations following the lead hazard control program set by the State of Michigan and the 2012 HUD Guidelines. Encapsulate all locations with two coats of encapsulant. Top coat can be a high grade paint.
Baseboards	Stairs 2nd Stairs Basement	Abatement-Wet scrape and sand all chips and delamination locations following the lead hazard control program set by the State of Michigan and the 2012 HUD Guidelines. Encapsulate all locations with two coats of encapsulant. Top coat can be a high grade paint.
Soil	Throughout Yard	Abatement-Remove and remove and replace all soil throughout yard to a depth of six inches. Replace with clean top soil, seed and straw.
Lead Dust	Basement and Ventilation System	Abatement-Clean all duct work with following the State of Michigan and the 2012 HUD Guidelines.

## 8.0 Credentials

The Inspector/Risk Assessor has conducted surveys for over 30 years. His accreditation number is P-0383 for the State of Michigan. See Appendix D for copies of assessor and inspector qualifications.

## 9.0 Maps

A site location map is enclosed in Appendix A. Pictures were also included in the report to show the last Abatement Contractors practices. With the demolition debris being stored in the yard with no protective polyethylene, ground contamination is imminent.


## 10.0 Lab Results

Appendix C contains all lab results along with a map detailing where wipe samples were obtained. The basement floor was found to be elevated above the current level for clearance. Duct work was also found to be elevated above what would be expected. Windows were also found to have lead dust detection but were below the current standard. It is recommended that all surfaces be cleaned following lead abatement and tested to meet final clearance standards.

## 11.0 Re-evaluation Schedule

Based on the HUD Table 6.1 Standard Reevaluation Schedule, all surfaces that were found to contain deteriorating lead-based paint during this risk assessment should be reevaluated every year to maintain lead-safe conditions. Any surfaces that are currently in good condition and therefore do not require any immediate action should be visually monitored every year to maintain good condition.

It has been a pleasure to be of assistance to you. Please contact us if you have any questions or when we can be of further aid in any other environmental or occupational health matter.

  
 Douglas Haase,  
 Lead Risk Assessor (P-0383)

1/4/13  
 Date



## **Appendix Table of Contents**

- A) Site Location Map**
- B) XRF Data**
- C) Lab Analysis**
- D) Qualifications**
- E) Manufacturer's Performance  
Characteristic Sheets**
- F) Standard Reevaluation  
Schedules**
- G) Brief Glossary**

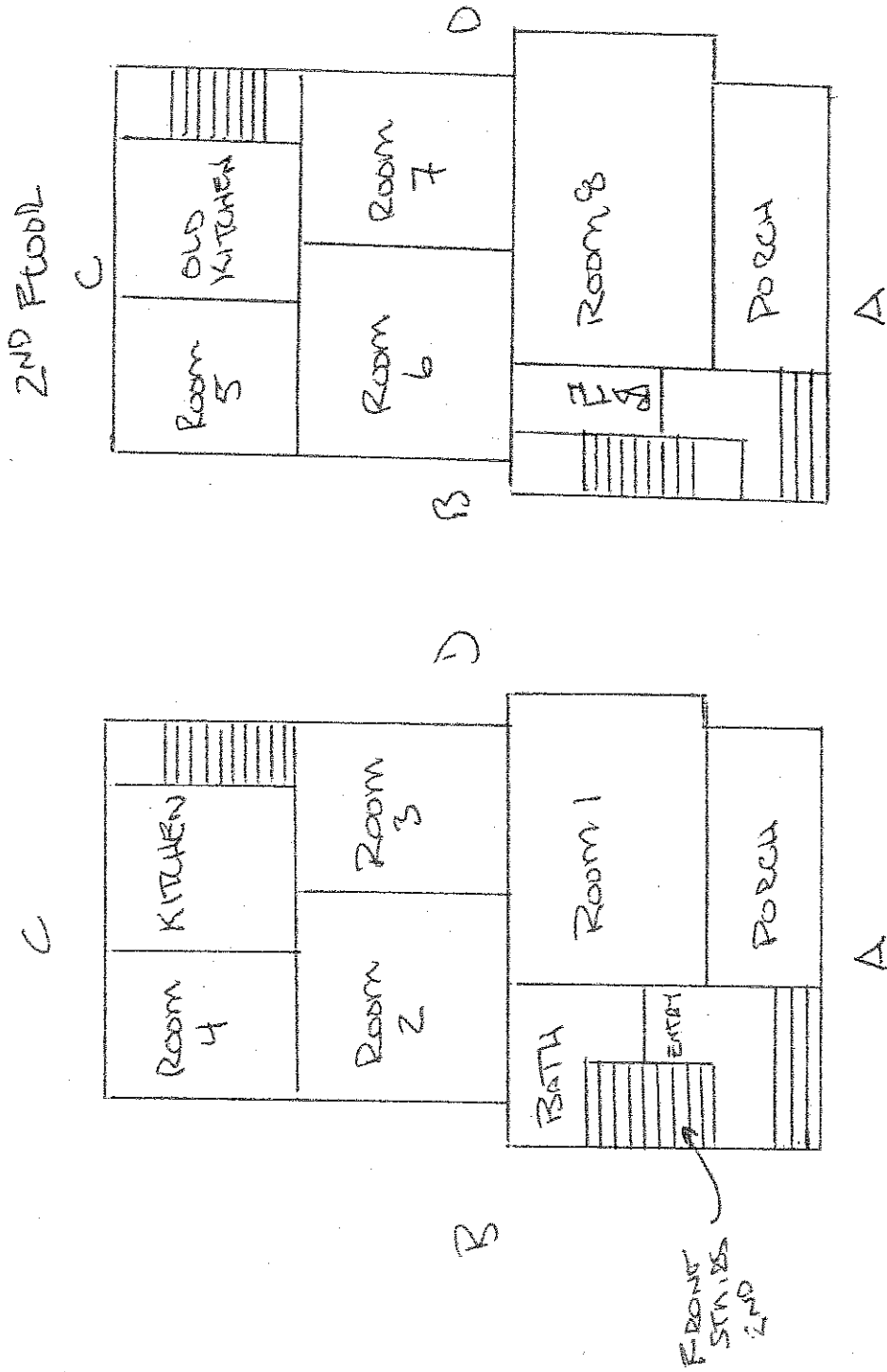


# **Appendix A**

## **Site Location Map**



— N —→



TOLERANCES EXCEPT AS NOTED		REVISIONS			914 N PARK ST				
		NO	DATE	BY	KAWANAZOO MI LP				
DECIMAL	±	1			DRAWN BY	DATA	SCALE	NPS	MATERIAL
FRACTIONAL	±	2			CHECKED		DATE	12/19/13	DRAWING NO
ANGULAR	±	3			TRACED		APPROVED		
	±	4							
	±	5							















# **Appendix B**

## **XRF Data**



## How to Interpret XRF Readings

- **Reading No. (#):** This is simply the shot number that was taken during the inspection. On occasion, the number may not start at "1" if XRF shots from previous inspections are still on the XRF device.
- **Room:** This column identifies the room where XRF testing occurred. Rooms are always identified by a number to avoid confusion. You can find a site location map with room number in Appendix A.
- **Side:** This column determines where the item being tested is located in the room. Side A of a room is always the address side of the house. Sides B, C, & D of the room are then labeled in a clockwise direction from side A. These sides are labeled on the site location map in Appendix A. This column allows you to distinguish between windows that are on different walls in the same room.
- **Component:** This column identifies the component that was tested. Some examples include siding, door, fascia, window etc.
- **Substrate:** This column defines what material the paint was applied to. Substrates are most commonly plaster or wood but could be other material such as metal and block.
- **Condition:** This column identifies the condition of the paint on the surface being tested whether it was intact or deteriorated. (FRI) = Friction and (IMP) = Impact
- **Color:** This is the color of the surface of the component being tested with the XRF.
- **Results:** This column indicated whether or not the paint tested Positive or Negative for the presence of lead.
- **Depth Index:** The XRF has the capability to detect lead in many layers of paint, not just surface layers. A depth index reading of less than 1.5 indicated that lead is near the surface of the material tested. A depth index reading between 1.6 and 4 indicates that lead was found at a moderate depth. A depth index reading of 4 or higher indicates that lead was found deeply buried in the material tested.
- **PbC:** This column identifies the lead concentration of the paint. According to HUD paint is considered to be lead containing if it is above 1.0 mg/cm<sup>2</sup>
- **Units:** Reporting units of the XRF in milligrams per square centimeter (mg/cm<sup>2</sup>)



COMPONENT	ROOM	SUBSTRATE	SIDE	CONDITION	COLOR	FLOOR	Results	PbC	Units	PbL	PbL Error	Depth Index
								8.52 cps		1.72	0	
cal 1.0							Positive	1.1 mg / cm ^2		1.1	0.1	1.15
cal 1.0							Positive	1 mg / cm ^2		1	0.1	1.1
cal 1.0							Positive	1.1 mg / cm ^2		1.1	0.1	1.12
cal 1.0							Positive	1.1 mg / cm ^2		1.1	0.1	1.08
cal 1.0							Positive	1.2 mg / cm ^2		1.2	0.2	1.2
cal 1.0							Positive	1 mg / cm ^2		1	0.1	1.05
WINDOW SILL	PORCH FRONT	WOOD	A	DETERIORATED	WHITE	FIRST	Negative	0.17 mg / cm ^2		0.17	0.49	4.5
WINDOW SILL	PORCH FRONT	WOOD	A	DETERIORATED	WHITE	FIRST	Negative	0.19 mg / cm ^2		0.19	0.47	3.98
WINDOW SILL	PORCH FRONT	WOOD	A	DETERIORATED	WHITE	FIRST	Negative	0.16 mg / cm ^2		0.16	0.65	6.99
WINDOW SILL	PORCH FRONT	WOOD	A	DETERIORATED	WHITE	FIRST	Negative	0.07 mg / cm ^2		0.07	0.18	1.63
WINDOW SILL	PORCH FRONT	WOOD	B	DETERIORATED	WHITE	FIRST	Negative	0.17 mg / cm ^2		0.17	0.35	2.74
WINDOW SILL	PORCH FRONT	WOOD	B	DETERIORATED	WHITE	FIRST	Negative	0.07 mg / cm ^2		0.07	0.17	1.62
WINDOW SILL	PORCH FRONT	WOOD	B	DETERIORATED	WHITE	FIRST	Negative	0.22 mg / cm ^2		0.22	0.37	5.15
cal 1.0							Positive	1.1 mg / cm ^2		1.1	0.1	1.09
WALL	PORCH FRONT	DRYWALL	A	DETERIORATED	WHITE	FIRST	Negative	0.1 mg / cm ^2		0.1	0.19	1.63
WALL	PORCH FRONT	DRYWALL	C	DETERIORATED	WHITE	FIRST	Negative	0.22 mg / cm ^2		0.22	0.22	2.89
WALL	PORCH FRONT	DRYWALL	D	DETERIORATED	WHITE	FIRST	Negative	0.28 mg / cm ^2		0.28	0.25	2.5
WINDOW SILL	PORCH FRONT	WOOD	C	DETERIORATED	WHITE	FIRST	Positive	2.8 mg / cm ^2		1.9	1	5.66
WINDOW CASING	PORCH FRONT	WOOD	C	INTACT	WHITE	FIRST	Negative	0.09 mg / cm ^2		0.09	0.25	2.46
BASEBOARD	PORCH FRONT	WOOD	A	DETERIORATED	WHITE	FIRST	Negative	0.1 mg / cm ^2		0.1	0.28	2.82
BASEBOARD	PORCH FRONT	WOOD	B	DETERIORATED	WHITE	FIRST	Negative	0.12 mg / cm ^2		0.12	0.24	1.96
BASEBOARD	PORCH FRONT	WOOD	D	DETERIORATED	WHITE	FIRST	Negative	0.09 mg / cm ^2		0.09	0.2	1.69
WALL	ROOM 1	PLASTER	A	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2		0	0.02	1
WALL	ROOM 1	PLASTER	B	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2		0	0.02	1
WALL	ROOM 1	PLASTER	C	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2		0	0.02	1
WALL	ROOM 1	PLASTER	D	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2		0	0.02	1
WINDOW SILL	ROOM 1	WOOD	A	DETERIORATED	WHITE	FIRST	Positive	4.1 mg / cm ^2		4.1	3	2.26
CEILING	ROOM 1	PLASTER	A	DETERIORATED	WHITE	FIRST	Negative	0.05 mg / cm ^2		0.05	0.19	7.74
WALL	ROOM 3	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	2 mg / cm ^2		0.8	0.4	9
WALL	ROOM 3	PLASTER	B	DETERIORATED	WHITE	FIRST	Positive	3.9 mg / cm ^2		1.6	1.7	10
WALL	ROOM 3	PLASTER	C	DETERIORATED	WHITE	FIRST	Positive	1.8 mg / cm ^2		1.2	0.5	10
WALL	ROOM 3	PLASTER	D	DETERIORATED	WHITE	FIRST	Positive	2.3 mg / cm ^2		0.9	0.5	10



WINDOW SILL	ROOM 3	WOOD	D	DETERIORATED	WHITE	FIRST	Negative	0.3 mg / cm ^2	0.12	0.34	10
WINDOW SILL	ROOM 3	WOOD	D	DETERIORATED	WHITE	FIRST	Negative	0.07 mg / cm ^2	0.07	0.24	6.46
WALL	ROOM 2	PLASTER	A	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 2	PLASTER	B	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 2	PLASTER	C	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 2	PLASTER	D	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
DUCT	ROOM 2	METAL	D	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
REGISTER	ROOM 2	METAL	D	DETERIORATED	WHITE	FIRST	Negative	0.14 mg / cm ^2	0.14	0.27	2.01
REGISTER	ROOM 2	METAL	D	DETERIORATED	WHITE	FIRST	Negative	0.14 mg / cm ^2	0.14	0.21	1.33
REGISTER	ROOM 2	METAL	D	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	BATHROOM	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	3.1 mg / cm ^2	0.6	0.9	10
WALL	BATHROOM	PLASTER	B	DETERIORATED	WHITE	FIRST	Positive	5.4 mg / cm ^2	2	1.9	10
WALL	BATHROOM	PLASTER	C	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	BATHROOM	PLASTER	C	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	BATHROOM	PLASTER	D	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WINDOW SILL	BATHROOM	WOOD	B	DETERIORATED	WHITE	FIRST	Negative	0.02 mg / cm ^2	0.02	0.12	2.43
WALL	ROOM 4	PLASTER	A	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 4	PLASTER	B	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 4	PLASTER	C	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 4	PLASTER	D	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	KITCHEN	PLASTER	A	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	KITCHEN	PLASTER	B	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	KITCHEN	PLASTER	C	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	KITCHEN	PLASTER	D	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WINDOW SILL	KITCHEN	WOOD	C	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
CEILING	KITCHEN	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	5.4 mg / cm ^2	0.8	2.1	10
WALL	STAIR UP	PLASTER	A	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
WALL	STAIR UP	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	3.2 mg / cm ^2	3.6	2.1	10
WALL	STAIR UP	PLASTER	D	DETERIORATED	WHITE	FIRST	Positive	4.5 mg / cm ^2	3.5	2.4	8.63
WALL	STAIR UP	PLASTER	C	DETERIORATED	WHITE	FIRST	Positive	3.8 mg / cm ^2	2.4	1.8	10
WALL	STAIR UP	PLASTER	A	DETERIORATED	WHITE	FIRST	Positive	5.2 mg / cm ^2	6	6.4	9.01
STRINGER	STAIR UP	WOOD	B	DETERIORATED	WHITE	FIRST	Negative	0.08 mg / cm ^2	0.08	0.29	3.25
STRINGER	STAIR UP	WOOD	B	DETERIORATED	WHITE	FIRST	Negative	0.07 mg / cm ^2	0.07	0.21	2.32
STRINGER	STAIR UP	WOOD	D	DETERIORATED	WHITE	FIRST	Negative	0.06 mg / cm ^2	0.06	0.14	2.72



STRINGER	STAIR UP	WOOD	D	DETERIORATED	WHITE	FIRST	Negative	0.07 mg / cm ^2	0.07	0.24	2.56
STRINGER TRIM	STAIR UP	WOOD	D	DETERIORATED	WHITE	FIRST	Negative	0.19 mg / cm ^2	0.19	0.69	6.88
CEILING	STAIR UP	PLASTER	C	DETERIORATED	WHITE	FIRST	Positive	3.1 mg / cm ^2	2.7	1.6	10
CEILING	STAIR UP	PLASTER	A	DETERIORATED	WHITE	SECOND	Positive	8.1 mg / cm ^2	0.4	1.5	10
WALL	KITCHEN	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1.34
WALL	KITCHEN	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	KITCHEN	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	KITCHEN	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	KITCHEN	PLASTER	B	DETERIORATED	WHITE	SECOND	Positive	7.2 mg / cm ^2	0.2	0.8	10
WALL	KITCHEN	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	KITCHEN	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 5	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0.02 mg / cm ^2	0.02	0.08	3.73
WALL	ROOM 5	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0.05 mg / cm ^2	0.05	0.16	4.63
WALL	ROOM 5	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0.01 mg / cm ^2	0.01	0.03	1.67
WALL	ROOM 5	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 5	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0.02 mg / cm ^2	0.02	0.1	5.99
WALL	ROOM 5	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.03	2.35
CEILING	ROOM 5	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
CEILING	ROOM 5	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
CEILING	ROOM 5	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
CEILING	ROOM 5	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0.01 mg / cm ^2	0.01	0.03	2.05
WALL	ROOM 6	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 6	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1.71
WALL	ROOM 6	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 6	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
CEILING	ROOM 6	PLASTER	C	DETERIORATED	WHITE	SECOND	Positive	2.5 mg / cm ^2	0.5	0.7	10
WALL CHIMNEY	ROOM 6	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 7	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0.02 mg / cm ^2	0.02	0.02	1.8
WALL	ROOM 7	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 7	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 7	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
CEILING	ROOM 7	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
CEILING	ROOM 7	PLASTER	A	DETERIORATED	WHITE	SECOND	Null	0.01 mg / cm ^2	0.01	0.08	2.36
CEILING	ROOM 7	PLASTER	A	DETERIORATED	WHITE	SECOND	Null	0.01 mg / cm ^2	0.01	0.05	1.47



CEILING	ROOM 7	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
CEILING	ROOM 7	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 8	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 8	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 8	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0.03 mg / cm ^2	0.03	0.11	4.88
WALL	ROOM 8	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0.4 mg / cm ^2	0.28	0.22	10
WALL	ROOM 8	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0.13 mg / cm ^2	0.13	0.33	6.87
WALL	ROOM 8	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0.5 mg / cm ^2	0.06	0.09	10
WALL	ROOM 8	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	ROOM 8	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0.03 mg / cm ^2	0.03	0.07	2.58
WALL	ROOM 8	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0.17 mg / cm ^2	0.17	0.16	6.64
WALL	ROOM 8	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0.09 mg / cm ^2	0.09	0.16	4.14
WALL	ROOM 8	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0.02 mg / cm ^2	0.02	0.04	1.86
WALL	ROOM 8	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0.07 mg / cm ^2	0.07	0.14	3.43
WALL	ROOM 8	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0.08 mg / cm ^2	0.08	0.11	7.52
WINDOW SILL	ROOM 8	WOOD	D	DETERIORATED	WHITE	SECOND	Null	0.9 mg / cm ^2	0.22	0.14	10
WINDOW SILL	ROOM 8	WOOD	D	DETERIORATED	WHITE	SECOND	Null	1.1 mg / cm ^2	0.3	0.14	10
WINDOW SILL	PORCH UPPER	WOOD	A	DETERIORATED	WHITE	SECOND	Negative	0.08 mg / cm ^2	0.08	0.32	4.18
WINDOW SILL	PORCH UPPER	WOOD	A	DETERIORATED	WHITE	SECOND	Negative	0.06 mg / cm ^2	0.06	0.24	3.31
WINDOW SILL	PORCH UPPER	WOOD	A	DETERIORATED	WHITE	SECOND	Negative	0.12 mg / cm ^2	0.12	0.51	6.47
WINDOW SILL	PORCH UPPER	WOOD	A	DETERIORATED	WHITE	SECOND	Negative	0.08 mg / cm ^2	0.08	0.27	3.42
WINDOW SILL	PORCH UPPER	WOOD	A	DETERIORATED	WHITE	SECOND	Negative	0.03 mg / cm ^2	0.03	0.13	2.23
WINDOW SILL	PORCH UPPER	WOOD	B	DETERIORATED	WHITE	SECOND	Negative	0.01 mg / cm ^2	0.01	0.07	1.47
WINDOW SILL	PORCH UPPER	WOOD	B	DETERIORATED	WHITE	SECOND	Negative	0.06 mg / cm ^2	0.06	0.26	3.97
WINDOW SILL	PORCH UPPER	WOOD	B	DETERIORATED	WHITE	SECOND	Negative	0.14 mg / cm ^2	0.14	0.33	6.35
WINDOW SILL	PORCH UPPER	WOOD	B	DETERIORATED	WHITE	SECOND	Negative	0.02 mg / cm ^2	0.02	0.09	1.95
WALL	PORCH UPPER	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0.01 mg / cm ^2	0.01	0.04	1
WALL	PORCH UPPER	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0.04 mg / cm ^2	0.04	0.14	1.95
WALL	PORCH UPPER	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0.02 mg / cm ^2	0.02	0.08	1.69
WALL	PORCH UPPER	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0.05 mg / cm ^2	0.05	0.17	2.35
BASEBOARD	PORCH UPPER	WOOD	A	DETERIORATED	WHITE	SECOND	Negative	0.07 mg / cm ^2	0.07	0.29	3.68
BASEBOARD	PORCH UPPER	WOOD	B	DETERIORATED	WHITE	SECOND	Negative	0.09 mg / cm ^2	0.09	0.24	2.53
BASEBOARD	PORCH UPPER	WOOD	B	DETERIORATED	WHITE	SECOND	Negative	0.03 mg / cm ^2	0.03	0.12	1.71
BASEBOARD	PORCH UPPER	WOOD	D	DETERIORATED	WHITE	SECOND	Negative	0.08 mg / cm ^2	0.08	0.25	2.77



WINDOW SILL	PORCH UPPER	WOOD	C	DETERIORATED	WHITE	SECOND	Positive	1.5 mg / cm ^2	1.5	0.4	5.63
WINDOW CASING	PORCH UPPER	WOOD	C	DETERIORATED	WHITE	SECOND	Positive	9 mg / cm ^2	5.5	5.2	7.07
WINDOW CASING	PORCH UPPER	WOOD	B	DETERIORATED	WHITE	SECOND	Negative	0.01 mg / cm ^2	0.01	0.05	1
WINDOW CASING	PORCH UPPER	WOOD	B	DETERIORATED	WHITE	SECOND	Negative	0.08 mg / cm ^2	0.08	0.27	3.31
WINDOW CASING	PORCH UPPER	WOOD	B	DETERIORATED	WHITE	SECOND	Negative	0.03 mg / cm ^2	0.03	0.14	2.14
WINDOW CASING	PORCH UPPER	WOOD	A	DETERIORATED	WHITE	SECOND	Negative	0.07 mg / cm ^2	0.07	0.29	3.81
WINDOW CASING	PORCH UPPER	WOOD	A	DETERIORATED	WHITE	SECOND	Negative	0.07 mg / cm ^2	0.07	0.3	3.93
WINDOW CASING	PORCH UPPER	WOOD	A	DETERIORATED	WHITE	SECOND	Negative	0.03 mg / cm ^2	0.03	0.13	1.96
WALL	STAIR 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Positive	2.1 mg / cm ^2	0.8	0.7	10
WALL	STAIR 2nd	PLASTER	B	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	STAIR 2nd	PLASTER	B	DETERIORATED	WHITE	SECOND	Positive	1.8 mg / cm ^2	0.23	0.24	10
WALL	STAIR 2nd	PLASTER	C	DETERIORATED	WHITE	SECOND	Null	1 mg / cm ^2	1	0.2	10
WALL	STAIR 2nd	PLASTER	C	DETERIORATED	WHITE	SECOND	Positive	1.5 mg / cm ^2	0.9	0.3	10
WALL	STAIR 2nd	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0.03 mg / cm ^2	0.03	0.1	3.27
WALL	STAIR 2nd	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0.08 mg / cm ^2	0.08	0.21	7.29
WALL	STAIR 2nd	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	STAIR 2nd	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	STAIR 2nd	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	STAIR 2nd	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
RISER	STAIR 2nd	WOOD	B	DETERIORATED	WHITE	SECOND	Positive	1.6 mg / cm ^2	1.6	0.6	2.51
stringer	STAIR 2nd	WOOD	C	DETERIORATED	WHITE	SECOND	Null	1 mg / cm ^2	1	0.2	4.96
BASEBOARD	STAIR 2nd	WOOD	C	DETERIORATED	WHITE	SECOND	Positive	2.1 mg / cm ^2	2.1	1	6.13
CEILING	STAIR 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
CEILING	STAIR 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
CEILING	STAIR 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Positive	2 mg / cm ^2	0.8	0.7	10
WALL	BATHROOM 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	BATHROOM 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Negative	0 mg / cm ^2	0	0.02	1
WALL	BATHROOM 2nd	PLASTER	A	DETERIORATED	WHITE	SECOND	Positive	2.5 mg / cm ^2	1	0.9	10
WALL	BATHROOM 2nd	PLASTER	B	DETERIORATED	WHITE	SECOND	Positive	4.4 mg / cm ^2	3.5	2.6	10
WALL	BATHROOM 2nd	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0.24 mg / cm ^2	0.24	0.34	5.73
WALL	BATHROOM 2nd	PLASTER	C	DETERIORATED	WHITE	SECOND	Negative	0.25 mg / cm ^2	0.25	0.35	7.2
WALL	BATHROOM 2nd	PLASTER	D	DETERIORATED	WHITE	SECOND	Negative	1.4 mg / cm ^2	1	0.2	7.6
WALL	STAIRS BASEMENT	PLASTER	A	DETERIORATED	WHITE	BASEMENT	Negative	0.11 mg / cm ^2	0.11	0.12	2.05
WALL	STAIRS BASEMENT	PLASTER	A	DETERIORATED	WHITE	BASEMENT	Negative	0.17 mg / cm ^2	0.17	0.15	2.36



WALL	STAIRS BASEMENT	PLASTER	A	DETERIORATED	WHITE	BASEMENT	Negative	0.04 mg / cm ^2	0.04	0.06	1
WALL	STAIRS BASEMENT	PLASTER	B	DETERIORATED	WHITE	BASEMENT	Negative	0.17 mg / cm ^2	0.17	0.09	1.22
WALL	STAIRS BASEMENT	PLASTER	B	DETERIORATED	WHITE	BASEMENT	NEgative	0.14 mg / cm ^2	0.14	0.06	1.35
WALL	STAIRS BASEMENT	PLASTER	D	DETERIORATED	WHITE	BASEMENT	Negative	0.06 mg / cm ^2	0.06	0.07	1.45
WALL	STAIRS BASEMENT	PLASTER	D	DETERIORATED	WHITE	BASEMENT	Negative	0.15 mg / cm ^2	0.15	0.23	3.4
WALL	STAIRS BASEMENT	PLASTER	D	DETERIORATED	WHITE	BASEMENT	Negative	0.07 mg / cm ^2	0.07	0.22	6.09
WALL	STAIRS BASEMENT	PLASTER	D	DETERIORATED	WHITE	BASEMENT	Negative	0.07 mg / cm ^2	0.07	0.06	1
TREAD	STAIRS BASEMENT	WOOD	D	DETERIORATED	WHITE	BASEMENT	Positive	2.1 mg / cm ^2	2.2	0.8	9.49
TREAD	STAIRS BASEMENT	WOOD	D	DETERIORATED	BLUE	BASEMENT	Negative	0.6 mg / cm ^2	0.6	0.3	3.32
STRINGER	STAIRS BASEMENT	WOOD	D	DETERIORATED	BLUE	BASEMENT	Positive	3.9 mg / cm ^2	3.1	2.6	10
WALL	BASEMENT	CONCRETE	D	DETERIORATED	WHITE	BASEMENT	Negative	0.04 mg / cm ^2	0.04	0.11	5.21
WALL	BASEMENT	CONCRETE	D	DETERIORATED	WHITE	BASEMENT	Negative	0 mg / cm ^2	0	0.02	1
WALL	BASEMENT	CONCRETE	C	DETERIORATED	WHITE	BASEMENT	Negative	0.03 mg / cm ^2	0.03	0.06	6.03
WALL	BASEMENT	CONCRETE	C	DETERIORATED	WHITE	BASEMENT	Negative	0.01 mg / cm ^2	0.01	0.02	2.59
WALL ledge	BASEMENT	CONCRETE	C	DETERIORATED	GREEN	BASEMENT	Negative	0.09 mg / cm ^2	0.09	0.07	2.95
WALL ledge	BASEMENT	CONCRETE	A	DETERIORATED	GREEN	BASEMENT	Negative	0.03 mg / cm ^2	0.03	0.09	3.5
WALL	BASEMENT	CONCRETE	A	DETERIORATED	GREEN	BASEMENT	Negative	0.01 mg / cm ^2	0.01	0.02	1.65
COLUMN	BASEMENT	WOOD	A	DETERIORATED	WHITE	BASEMENT	Negative	0 mg / cm ^2	0	0.03	1
FLOOR	BASEMENT	CONCRETE	A	DETERIORATED	GREEN	BASEMENT	Negative	0.13 mg / cm ^2	0.13	0.17	3.74
FLOOR	BASEMENT	CONCRETE	A	DETERIORATED	GREEN	BASEMENT	Negative	0.08 mg / cm ^2	0.08	0.1	2.47
FLOOR	BASEMENT	CONCRETE	A	DETERIORATED	GREEN	BASEMENT	Negative	0.11 mg / cm ^2	0.11	0.13	3.02
BASEBOARD	STAIR BASEMENT	WOOD	D	DETERIORATED	BLUE	FIRST	Negative	0.12 mg / cm ^2	0.12	0.22	1.69
BASEBOARD	STAIR BASEMENT	WOOD	D	DETERIORATED	BLUE	FIRST	Negative	0.04 mg / cm ^2	0.04	0.06	1.08
BASEBOARD	STAIR BASEMENT	WOOD	D	DETERIORATED	BLUE	FIRST	Positive	1.5 mg / cm ^2	1.5	0.4	4.52
cal 1.0							Positive	1.2 mg / cm ^2	1.2	0.2	1.16
cal 1.0							Positive	1.1 mg / cm ^2	1.1	0.1	1.13
cal 1.0							Positive	1.2 mg / cm ^2	1.2	0.2	1.17
DUCT	ROOM 4	WOOD	B	DETERIORATED	RED	FIRST	Negative	0.03 mg / cm ^2	0.03	0.16	2.69
DUCT	ROOM 4	METAL	B	DETERIORATED	RED	FIRST	Negative	0.05 mg / cm ^2	0.06	0.09	2.91
DUCTREGISTER	ROOM 4	METAL	B	DETERIORATED	WHITE	FIRST	Negative	0.3 mg / cm ^2	0.3	0.35	1.55
DUCTREGISTER	ROOM 4	METAL	B	DETERIORATED	WHITE	FIRST	Negative	0.4 mg / cm ^2	0.4	0.4	1.45
DUCTREGISTER	ROOM 4	METAL	B	DETERIORATED	WHITE	FIRST	Negative	0.4 mg / cm ^2	0.4	0.4	1.7
DUCTREGISTER	DINING	METAL	B	DETERIORATED	WHITE	BASEMENT	Negative	0.3 mg / cm ^2	0.3	0.41	2.16
DUCTREGISTER	DINING	METAL	B	DETERIORATED	WHITE	BASEMENT	Negative	0.09 mg / cm ^2	0.09	0.15	1



FLOORPORCH	OUTSIDE	CONCRETE	A	DETERIORATED	WHITE	FIRST	Negative	0.06 mg / cm ^2	0.06	0.05	2.2
FLOORPORCH	OUTSIDE	CONCRETE	A	DETERIORATED	WHITE	FIRST	Negative	0.3 mg / cm ^2	0.3	0.22	6.59
FLOORPORCH	OUTSIDE	CONCRETE	A	DETERIORATED	WHITE	FIRST	Negative	0.17 mg / cm ^2	0.17	0.1	3.01
FLOORPORCH	OUTSIDE	CONCRETE	A	DETERIORATED	WHITE	FIRST	Negative	0.26 mg / cm ^2	0.26	0.12	3.18
FLOORPORCH	OUTSIDE	CONCRETE	A	DETERIORATED	WHITE	FIRST	Negative	0.02 mg / cm ^2	0.02	0.03	1
FLOORPORCH	OUTSIDE	CONCRETE	A	DETERIORATED	WHITE	FIRST	Negative	0.02 mg / cm ^2	0.02	0.04	1.43
FOUNDATION	OUTSIDE	CONCRETE	A	INTACT	WHITE	FIRST	Negative	0.12 mg / cm ^2	0.12	0.2	4.41
FOUNDATION	OUTSIDE	ROCK	B	DETERIORATED	WHITE	FIRST	Negative	0.07 mg / cm ^2	0.07	0.05	2.67
FOUNDATION	OUTSIDE	ROCK	B	DETERIORATED	WHITE	FIRST	Negative	0.03 mg / cm ^2	0.03	0.03	1.64
FOUNDATION	OUTSIDE	ROCK	C	DETERIORATED	WHITE	FIRST	Negative	0.05 mg / cm ^2	0.05	0.05	3.17
FOUNDATION	OUTSIDE	ROCK	D	DETERIORATED	WHITE	FIRST	Negative	0.06 mg / cm ^2	0.06	0.09	2.67
BILCO DOOR	OUTSIDE	METAL	C	DETERIORATED	WHITE	FIRST	Negative	0 mg / cm ^2	0	0.02	1
CAL 1.0							Negative	0.9 mg / cm ^2	0.9	0.1	1.06
CAL 1.0							Negative	0.9 mg / cm ^2	0.9	0.1	1.08
CAL 1.0							Positive	1.1 mg / cm ^2	1.1	0.1	1.08



# **Appendix C**

## **Lab Analysis**



## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Monday, December 23, 2013

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CUSTOMER: Analytical Testing & Consulting Services, Inc.  
14625 Doster Road  
Plainwell, MI 49080

DATE RECEIVED: Monday, December 23, 2013  
PO/PROJECT #: 9263  
SUBMITTAL #: 2013-12-23-001

## LAB NUMBER: AB69175

Sampled By: Doug Haase  
Job Location: 9155 Park St. Kzoo, MI 49007  
Sample Identification: 9263-01: Room 1, Side D, Window Well

Date Sampled: Thursday, December 19, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Monday, December 23, 2013

\*Sample Area: 0.50 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	25 ug	5.0 ug	50ug/ft <sup>2</sup>	10 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB69176

Sampled By: Doug Haase  
Job Location: 9155 Park St. Kzoo, MI 49007  
Sample Identification: 9263-02: Room 1, Side D, Floor

Date Sampled: Thursday, December 19, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Monday, December 23, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB69177

Sampled By: Doug Haase  
Job Location: 9155 Park St. Kzoo, MI 49007  
Sample Identification: 9263-03: Room 2, Side B, Window Sill

Date Sampled: Thursday, December 19, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Monday, December 23, 2013

\*Sample Area: 0.60 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	8.3 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

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# CORROSION CONTROL CONSULTANTS & LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Monday, December 23, 2013

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**CUSTOMER:** Analytical Testing & Consulting Services, Inc.  
14625 Doster Road  
Plainwell, MI 49080

**DATE RECEIVED:** Monday, December 23, 2013  
**PO/PROJECT #:** 9263  
**SUBMITTAL #:** 2013-12-23-001

### LAB NUMBER: AB69178

**Sampled By:** Doug Haase  
**Job Location:** 9155 Park St. Kzoo, MI 49007  
**Sample Identification:** 9263-04: Room 2, Side B, Floor

**Date Sampled:** Thursday, December 19, 2013  
**Sample Description:** Dust Wipe

**Preparation Method:** EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)

**Date Analyzed:** Monday, December 23, 2013

**\*Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	< RL	5.0 ug	< RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

### LAB NUMBER: AB69179

**Sampled By:** Doug Haase  
**Job Location:** 9155 Park St. Kzoo, MI 49007  
**Sample Identification:** 9263-05: Room 3, Side D, Window Well

**Date Sampled:** Thursday, December 19, 2013  
**Sample Description:** Dust Wipe

**Preparation Method:** EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)

**Date Analyzed:** Monday, December 23, 2013

**\*Sample Area:** 0.52 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	22 ug	5.0 ug	42ug/ft <sup>2</sup>	9.6 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

### LAB NUMBER: AB69180

**Sampled By:** Doug Haase  
**Job Location:** 9155 Park St. Kzoo, MI 49007  
**Sample Identification:** 9263-06: Room 3, Side D, Floor

**Date Sampled:** Thursday, December 19, 2013  
**Sample Description:** Dust Wipe

**Preparation Method:** EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)

**Date Analyzed:** Monday, December 23, 2013

**\*Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	< RL	5.0 ug	< RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

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## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Monday, December 23, 2013

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CUSTOMER: Analytical Testing & Consulting Services, Inc.  
14625 Doster Road  
Plainwell, MI 49080

DATE RECEIVED: Monday, December 23, 2013  
PO/PROJECT #: 9263  
SUBMITTAL #: 2013-12-23-001

## LAB NUMBER: AB69181

Sampled By: Doug Haase  
Job Location: 9155 Park St. Kzoo, MI 49007  
Sample Identification: 9263-07: Room 5, Side C, Window Well

Date Sampled: Thursday, December 19, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Monday, December 23, 2013

\*Sample Area: 0.52 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	21 ug	5.0 ug	39ug/ft <sup>2</sup>	9.6 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB69182

Sampled By: Doug Haase  
Job Location: 9155 Park St. Kzoo, MI 49007  
Sample Identification: 9263-08: Room 5, Side C, Floor

Date Sampled: Thursday, December 19, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Monday, December 23, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB69183

Sampled By: Doug Haase  
Job Location: 9155 Park St. Kzoo, MI 49007  
Sample Identification: 9263-09: Room 7, Side D, Window Sill

Date Sampled: Thursday, December 19, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Monday, December 23, 2013

\*Sample Area: 0.36 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	6.6 ug	5.0 ug	18ug/ft <sup>2</sup>	14 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

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## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Monday, December 23, 2013

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**CUSTOMER:** Analytical Testing & Consulting Services, Inc.  
14625 Doster Road  
Plainwell, MI 49080

**DATE RECEIVED:** Monday, December 23, 2013  
**PO/PROJECT #:** 9263  
**SUBMITTAL #:** 2013-12-23-001

**LAB NUMBER: AB69184**

**Sampled By:** Doug Haase  
**Job Location:** 9155 Park St. Kzoo, MI 49007  
**Sample Identification:** 9263-10: Room 7, Side D, Floor

**Date Sampled:** Thursday, December 19, 2013  
**Sample Description:** Dust Wipe

**Preparation Method:** EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)

**Date Analyzed:** Monday, December 23, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	< RL	5.0 ug	< RL	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

**LAB NUMBER: AB69185**

**Sampled By:** Doug Haase  
**Job Location:** 9155 Park St. Kzoo, MI 49007  
**Sample Identification:** 9263-11: Room 8, Side A, Window Sill

**Date Sampled:** Thursday, December 19, 2013  
**Sample Description:** Dust Wipe

**Preparation Method:** EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)

**Date Analyzed:** Monday, December 23, 2013

\*Sample Area: 0.29 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	27 ug	5.0 ug	93ug/ft <sup>2</sup>	17 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

**LAB NUMBER: AB69186**

**Sampled By:** Doug Haase  
**Job Location:** 9155 Park St. Kzoo, MI 49007  
**Sample Identification:** 9263-12: Room 8, Side A, Floor

**Date Sampled:** Thursday, December 19, 2013  
**Sample Description:** Dust Wipe

**Preparation Method:** EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)

**Date Analyzed:** Monday, December 23, 2013

\*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	27 ug	5.0 ug	27ug/ft <sup>2</sup>	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

CCC&L has obtained accreditation under the programs detailed on the final page of the laboratory report. The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the scope of accreditation table. Testing which is performed by CCC&L according to other test methods, or for elements which are not included in the table fall outside of the current scope of laboratory accreditation.

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## CORROSION CONTROL CONSULTANTS &amp; LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Monday, December 23, 2013

Page 5 of 7

CUSTOMER: Analytical Testing & Consulting Services, Inc.  
14625 Doster Road  
Plainwell, MI 49080

DATE RECEIVED: Monday, December 23, 2013  
PO/PROJECT #: 9263  
SUBMITTAL #: 2013-12-23-001

## LAB NUMBER: AB69187

Sampled By: Doug Haase  
Job Location: 9155 Park St. Kzoo, MI 49007  
Sample Identification: 9263-13: Field Blank

Date Sampled: Thursday, December 19, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Monday, December 23, 2013

\*Sample Area: N/A

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- N/A	- N/A

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB69188

Sampled By: Doug Haase  
Job Location: 9155 Park St. Kzoo, MI 49007  
Sample Identification: 9263-14: Room 2, Side B, Return Duct

Date Sampled: Thursday, December 19, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Monday, December 23, 2013

\*Sample Area: 0.44 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	320 ug	5.0 ug	730ug/ft <sup>2</sup>	11 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

## LAB NUMBER: AB69189

Sampled By: Doug Haase  
Job Location: 9155 Park St. Kzoo, MI 49007  
Sample Identification: 9263-15: Room 4, Side B, Return Air Duct

Date Sampled: Thursday, December 19, 2013  
Sample Description: Dust Wipe

Preparation Method: EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Monday, December 23, 2013

\*Sample Area: 0.31 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	190 ug	5.0 ug	600ug/ft <sup>2</sup>	16 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

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# CORROSION CONTROL CONSULTANTS & LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Monday, December 23, 2013

Page 6 of 7

**CUSTOMER:** Analytical Testing & Consulting Services, Inc.  
14625 Doster Road  
Plainwell, MI 49080

**DATE RECEIVED:** Monday, December 23, 2013  
**PO/PROJECT #:** 9263  
**SUBMITTAL #:** 2013-12-23-001

### LAB NUMBER: AB69190

**Sampled By:** Doug Haase

**Date Sampled:** Thursday, December 19, 2013

**Job Location:** 9155 Park St Kzoo, MI 49007

**Sample Description:** Dust Wipe

**Sample Identification:** 9263-16: Basement Floor Wipe Bottom 8 Steps

**Preparation Method:** EPA 600/R-93/200M-W / EPA 3050B-M-W (Metals in Surface Wipe Samples, Sonication)

**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)

**Date Analyzed:** Monday, December 23, 2013

**\*Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	320 ug	5.0 ug	320ug/ft <sup>2</sup>	5.0 ug/ft <sup>2</sup>

\*Based on sampling information supplied by the client.

CCC&L has obtained accreditation under the programs detailed on the final page of the laboratory report. The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the scope of accreditation table. Testing which is performed by CCC&L according to other test methods, or for elements which are not included in the table fall outside of the current scope of laboratory accreditation.

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# CORROSION CONTROL CONSULTANTS & LABS, INC. a GPI company

## ANALYTICAL LABORATORY REPORT

Monday, December 23, 2013

Page 7 of 7

**CUSTOMER:** Analytical Testing & Consulting Services, Inc.  
14625 Doster Road  
Plainwell, MI 49080

**DATE RECEIVED:** Monday, December 23, 2013  
**PO/PROJECT #:** 9263  
**SUBMITTAL #:** 2013-12-23-001

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results. Individual sample results relate only to the sample as received by the laboratory.

**Tests Reviewed By:** Michael J. Swiech, QA/QC Manager

*Michael J. Swiech*  
-Michael J Swiech  
2013.12.23 15:05:32 -05'00'

CCC&L has obtained accreditation under the following programs:

- **National Lead Laboratory Accreditation Program (NLLAP)**  
ELLAP: AIHA Laboratory ELLAP Accreditation Program Laboratory, ID#101030 ([www.aiha.org](http://www.aiha.org))  
OH: Ohio Department of Health Lead Poisoning Prevention Program, Approval #E10013 ([www.odh.ohio.gov](http://www.odh.ohio.gov))
- **AIHA Laboratory IHLAP Accreditation Program** ([www.aiha.org](http://www.aiha.org))  
IHLAP: Laboratory ID#101030
- **National Environmental Laboratory Accreditation Program (NELAP)**  
NY: State of New York Department of Health, Laboratory ID#11609 (Serial # 48735 through 48737, 48739, 49834) (518-485-5570)  
LA: State of Louisiana Department of Environmental Quality, Laboratory ID#180321 (Certificate 05036) ([www.deq.louisiana.gov](http://www.deq.louisiana.gov))  
OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2013-040) ([www.deq.state.ok.us](http://www.deq.state.ok.us))

The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the table below. Testing which is performed by CCC&L according to other test methods, or for elements which are not included in the table below fall outside of the current scope of laboratory accreditation. Customers are encouraged to verify the current accreditation status with the individual accreditation programs by calling or visiting the appropriate website for the applicable program.

### SCOPE OF ACCREDITATION

#### Air and Emissions

<u>Element/Test</u>	<u>Method</u>	<u>Accreditation(s)</u>
Particulates (PM10)	40 CFR 50 Appendix J	NY, LA
Total Suspended Particulates (TSP)	40 CFR 50 Appendix B	NY, LA
Lead in Airborne Dust	NIOSH 7300	ELLAP, OH, NY, LA
Lead in Airborne Dust	EPA 600/R-93/200/ EPA 6010C	ELLAP, OH
Metals in Airborne Dust	EPA 600/R-93/200/ NIOSH 7300/ EPA 6010C	IHLAP

#### Solid Chemical Materials

<u>Element/Test</u>	<u>Method</u>	<u>Accreditation(s)</u>
TCLP	EPA 1311 (Sample Preparation Method)	NY, LA, OK
Acid Digestion	EPA 3050B	NY, LA
Lead in Soil	EPA 3050B/ EPA 6010C	ELLAP, OH, NY, LA, OK
Lead in Paint	EPA 3050B/ EPA 6010C	ELLAP, OH, NY, LA
Lead in Paint	ASTM D 3335-85A/ EPA 6010C	NY
Lead in Dust Wipes	EPA 3050B/ EPA 6010C	NY, LA
Lead in Dust Wipes	EPA 600/R-93/200/ EPA 6010C	ELLAP, OH

#### Non-Potable Water / Analysis by ICP

<u>Element/Test</u>	<u>Method</u>	<u>Accreditation(s)</u>
Arsenic	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Barium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Cadmium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Chromium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Copper	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Lead	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Mercury	EPA 245.1 Rev.3	NY, LA, OK
Mercury	EPA 7470A	NY, LA, OK
Nickel	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Selenium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Silver	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Zinc	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK
Acid Digestion	EPA 3010A	NY, LA

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# CHAIN OF CUSTODY FORM

Send To:

**Corrosion Control Consultants & Labs, Inc. a GPI company**

4403 Donker Ct Kentwood MI 49512-4054

ph: 616-940-3112 fx: 616-940-8139 web-sites: [www.cccilabs.com](http://www.cccilabs.com) [www.gpinet.com](http://www.gpinet.com)

FOR LAB USE ONLY			
Properly Contained	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> N/A
ASTM E1782 wipe	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> N/A
Adequate PH Adjust	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> N/A
Lab acidified: H <sub>2</sub> O <sub>2</sub> Data	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		

[illegible]

Sampled By (Please print) : W. H. Acosta

Date Submitted: 12/25/13

Signature: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Date/Time:

Relinquished Date/Time:

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Date/Time:

Relinquished Date/Time:

Method of Shipment: Insured Box

Received for Laboratory by: Robert J. Smith

Date/Time: 12/23/13 6:55

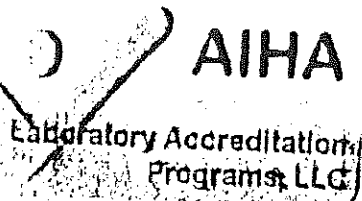
Submittal #: 2013-12-23-001

Form #53

12/22/11 Rev. 9

3rd 2/23/13





## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

**Corrosion Control Consultants & Labs, Inc.**  
4403 Donker Court SE, Kentwood, MI 49512

Laboratory ID: **101030**  
Issue Date: 09/28/2012

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

### Environmental Lead Laboratory Accreditation Program (ELLAP)

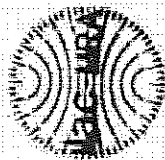
Initial Accreditation Date: 04/17/1995

Field of Testing (FoT)	Method	Method Description (for internal methods only)
Paint	EPA 600/R-93/200	
	EPA SW-846 3050B	
	EPA SW-846 6010B	
	EPA SW-846 6010C	
Soil	EPA 600/R-93/200	
	EPA SW-846 3050B	
	EPA SW-846 6010	
	EPA SW-846 6010B	
Settled Dust by Wipe	EPA 600/R-93/200	
	EPA SW-846 6010B	
	EPA SW-846 6010C	
Airborne Dust	EPA 600/R-93/200	
	EPA SW-846 6010B	
	EPA SW-846 6010C	
	NIOSH 7300	

The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- ✓ Paint
- ✓ Soil
- ✓ Settled Dust by Wipe
- ✓ Airborne Dust





AIHA

Laboratory Accreditation  
Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

**Corrosion Control Consultants & Labs, Inc.**  
4403 Dunker Court SE, Kentwood, MI 49512

Laboratory ID: 101030

attests that all procedures within which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Program (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

**LABORATORY ACCREDITATION PROGRAMS**

- ☒ INDUSTRIAL HYGIENE
- ☒ ENVIRONMENTAL LEAD
- ☐ ENVIRONMENTAL MICROBIOLOGY
- ☐ FOOD

Accreditation Expires: 11/01/2014  
 Accreditation Expires: 11/01/2014  
 Accreditation Expires:  
 Accreditation Expires:

Specific Field(s) of Testing (PoTY/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA-LAP, LLC website ([www.aiahapl.org](http://www.aiahapl.org)) for the most current Scope.

*Signature of Cheryl O. Morton*

S. D. Allen Inc. PhD, CIH, CSP  
Corrosion Control Consultants & Labs, Inc.

*Signature of Cheryl O. Morton*

Cheryl O. Morton

Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 12.05/29/2012

Date Issued: 09/28/2012



# **Appendix D**

## **Qualifications**



In accordance with the requirements of 40 CFR 745.225, (d)(2); HUD  
Guidelines for Lead Inspectors; LEAD POISONING PREVENTION CODE 845.28

# Certificate of Award

*This is to Certify that*

Douglas Haase (XXX-XX-0984)  
14625 Dozier Road  
Plainwell, MI 49080

has been awarded this Certificate for the successful completion of the  
8-HOUR LEAD RISK ASSESSOR REFRESHER TRAINING COURSE  
held on March 25<sup>th</sup>, 2011 and has successfully passed the Exam on March 25<sup>th</sup>, 2011.

Course Dates: March 25<sup>th</sup>, 2011  
• Minimum- 3<sup>rd</sup> Party Exam Eligibility Testing Valid: September 25<sup>th</sup>, 2011  
(3 years) Training Valid Through: March 25<sup>th</sup>, 2014

Certificate #: 11-514

  
Course Instructor, Douglas A. Haase

ANALYTICAL TESTING & CONSULTING SERVICES, INC., 14625 Dozier Road Plainwell, Michigan 49080





**Douglas Haase**

**Inspector/Risk Assessor**

**Cert. number P-00383**

**Annual fee due by March 31 2014**

**Appropriate refresher training and  
exam must be taken to renew this  
certification before March 31, 2014**

*Ms Crawford*



Michigan Department  
of Community Health



**LEAD  
HAZARD  
REMEDICATION  
PROGRAM**

**LEAD INSPECTION & RISK ASSESSMENT REPORT**

**FOR THE PROPERTY LOCATED AT:**

915 Park St.  
Kalamazoo, MI

**Prepared For:**

Brandi Joy Crawford  
915 N. Park St.  
Kalamazoo, MI 49008  
(269)-532-2850

**Report Prepared and Submitted by:**

**George Williams**

*Certified Lead Inspector / Risk Assessor P – 0071*

**Lead and Healthy Homes Section  
Capitol View Building  
201 Townsend Street  
P.O. Box 30195  
Lansing, MI. 48913**

**Date of Inspection: 8-January-2013**

**Date of report: 24-January-2013**



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### 1.0 PURPOSE

The purpose of the investigation was to determine the existence of lead-based paint hazards at the subject property and to determine the location, type, and severity of existing or potential health hazards associated with exposures to lead.

The following report details the results of the investigation. A summary of this report must be provided to each new lessee (tenant) or purchaser of this property under Federal law (24 CFR part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract. The complete report must also be provided to purchasers and made available to tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency (EPA), entitled "*Protect Your Family from Lead in Your Home*", and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards. For more information regarding your obligations under federal lead-based paint regulations, contact 800-424-LEAD (5323).

**2.0 CONCLUSIONS** Lead based paints and lead paint hazards were identified at this address. Only those persons who are trained and certified to work with lead paints should disturb those surfaces.

**2.1 Report:** The following items were identified as being a lead paint hazard during the investigation.

Component	Side	Floor	Room
WINDOW SASH	C	FIRST	PORCH
WINDOW EXT SILL	C	FIRST	PORCH



DOOR JAMB	D	FIRST	Rm 2
FLOOR		FIRST	Rm 3
WALL	B	FIRST	KITCHEN
WALL	C	FIRST	KITCHEN
CABINET WALL	A	FIRST	KITCHEN
WALL	B	FIRST	STAIR
WALL	C	FIRST	STAIR
WALL	D	FIRST	STAIR
WALL	A	SECOND	STAIR
WALL	A	SECOND	KITCHEN
WALL	B	SECOND	KITCHEN
WALL	C	SECOND	KITCHEN
WALL	D	SECOND	KITCHEN
WALL	B	SECOND	KITCHEN
WALL	C	SECOND	KITCHEN
WALL	D	SECOND	KITCHEN
CABINET WALL	D	SECOND	KITCHEN
CEILING		SECOND	KITCHEN
WALL UPPER	A	SECOND	Rm 6
WALL UPPER	B	SECOND	Rm 6
WALL UPPER	C	SECOND	Rm 6
WALL UPPER	D	SECOND	Rm 6
WALL UPPER	A	SECOND	Rm 6
CEILING		SECOND	Rm 6
WINDOW CASING	C	SECOND	PORCH
WINDOW SASH	C	SECOND	PORCH
WINDOW STOOL	C	SECOND	PORCH
WALL	D	SECOND	STAIR
WALL	C	SECOND	STAIR
RISER	D	SECOND	STAIR
TREAD	D	SECOND	STAIR
STRINGER	D	SECOND	STAIR
WALL	A	SECOND	STAIR
WALL	B	SECOND	STAIR
STRINGER	B	SECOND	STAIR
DOOR SLAB	A	SECOND	STAIR
WALL	A	SECOND	BATHROOM
WALL	B	SECOND	BATHROOM
WALL	C	SECOND	BATHROOM
WALL	B	SECOND	BATHROOM
DOOR	C	SECOND	BATHROOM
BASEBOARD	C	SECOND	BATHROOM
TREAD	B	FIRST	STAIR
RISER	B	FIRST	STAIR
STRINGER	B	FIRST	STAIR
WINDOW FRAME	D	FIRST	STAIR
WINDOW SASH	D	FIRST	STAIR
WALL	A	FIRST	HOUSE EXT



WALL	B	FIRST	HOUSE EXT
WALL	C	FIRST	HOUSE EXT
WALL	D	FIRST	HOUSE EXT
WINDOW CASING	A	FIRST	HOUSE EXT
WINDOW SASH	A	FIRST	HOUSE EXT
WINDOW EXT SILL	A	FIRST	HOUSE EXT
WINDOW CASING	B	FIRST	HOUSE EXT
WINDOW SASH	B	FIRST	HOUSE EXT
WINDOW EXT SILL	B	FIRST	HOUSE EXT
DOOR CASING TO PORCH	A	FIRST	HOUSE EXT
DOOR JAMB TO PORCH	A	FIRST	HOUSE EXT
DOOR CASING TO STAIR	A	FIRST	HOUSE EXT
THRESHOLD	A	FIRST	HOUSE EXT
PORCH STEP	B	FIRST	HOUSE EXT
DOOR CASING	B	FIRST	HOUSE EXT
DOOR SLAB	B	FIRST	HOUSE EXT
CEILING	B	FIRST	HOUSE EXT
BEAM	B	FIRST	HOUSE EXT
DOOR CASING	C	FIRST	HOUSE EXT
DOOR JAMB	C	FIRST	HOUSE EXT
DOOR SLAB	C	FIRST	HOUSE EXT
DOOR CASING	C	FIRST	HOUSE EXT
DOOR JAMB	C	FIRST	HOUSE EXT
DOOR SLAB	C	FIRST	HOUSE EXT
WINDOW CASING	D	FIRST	HOUSE EXT
WINDOW SASH	D	FIRST	HOUSE EXT
WINDOW EXT SILL	D	FIRST	HOUSE EXT
FASCIA	B	FIRST	HOUSE EXT
SOFFIT	B	FIRST	HOUSE EXT

2.2 Table of Lead Based Paint Hazards and Recommended Corrective Action				
Component	Location of Hazard	Level of Severity	Recommendation	Cost Estimate
Windows	All	1	<b>Primary recommendation</b> – Remove the existing windows and install new vinyl replacement windows <b>Secondary recommendation</b> – Wet plane the lead paint away from all friction and impact points. Then perform substrate stabilization, wet scrape and repaint	
Door jambs	Room 2 side D	2	<b>Primary recommendation</b> – Remove the existing door system and install new pre hung door unit <b>Secondary recommendation</b> – Wet	



			plane the lead paint away from all friction and impact points. Then perform substrate stabilization, wet scrape and repaint	
Floor	Rm 3	2	<b>Primary recommendation</b> -enclose with wood enclosure. <b>Secondary recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Walls	B & C in kitchen	2	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Cabinet walls	Lower kitchen Inside cabinets on wall A	2	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Walls	Stairway up	1	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Walls	Upper kitchen all	1	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Cabinet walls	Upper kitchen Inside cabinets on wall D	2	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and	



			repaint.	
Ceiling	Upper kitchen	2	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Walls	Room 6 all	1	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Ceiling	Rm 6	1	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Window casings and stools	Upper porch	1	<b>Primary recommendation</b> -remove and replace with new. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Walls	Front stairway All	1	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Stair tread risers and stringers	Front stairway	1	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. Then cover with tread protectors <b>Third recommendation</b> -Perform	



			substrate stabilizations, wet scrape and repaint. Then cover with tread protectors	
Exterior door system	Front stairway Side A	2	<b>Primary recommendation</b> – Remove the existing door system and install new pre hung door unit <b>Secondary recommendation</b> – Wet plane the lead paint away from all friction and impact points. Then perform substrate stabilization, wet scrape and repaint	
Walls	Upper bathroom	1	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Door system	Upper bathroom side C	1	<b>Primary recommendation</b> – Remove the existing door system and install new pre hung door unit <b>Secondary recommendation</b> – Wet plane the lead paint away from all friction and impact points. Then perform substrate stabilization, wet scrape and repaint	
Baseboards	Upper bathroom	1	<b>Primary recommendation</b> -remove and replace with new. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Stair treads and risers	Cellar stairway	2	<b>Primary recommendation</b> -enclose with wood or drywall enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. Then cover with tread protectors <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint. Then cover with tread protectors	
Cellar window sashes and frames	All cellar	1	<b>Primary recommendation</b> -remove and replace with new. <b>Secondary recommendation</b> -	



			encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Exterior house	All walls, trim, fascia, soffits, ceilings, porch systems, window trim, and other painted components	1	<b>Primary recommendation</b> -enclose with wood, vinyl or aluminum enclosure. <b>Secondary recommendation</b> -encapsulate with a Michigan approved encapsulating product. <b>Third recommendation</b> -Perform substrate stabilizations, wet scrape and repaint.	
Door system	Front entrance	1	<b>Primary recommendation</b> – Remove the existing door system and install new pre hung door unit <b>Secondary recommendation</b> – Wet plane the lead paint away from all friction and impact points. Then perform substrate stabilization, wet scrape and repaint	
Door system	Side entrance	1	<b>Primary recommendation</b> – Remove the existing door system and install new pre hung door unit <b>Secondary recommendation</b> – Wet plane the lead paint away from all friction and impact points. Then perform substrate stabilization, wet scrape and repaint	
Door system	Rear entrance south	1	<b>Primary recommendation</b> – Remove the existing door system and install new pre hung door unit <b>Secondary recommendation</b> – Wet plane the lead paint away from all friction and impact points. Then perform substrate stabilization, wet scrape and repaint	
Door system	Rear entrance north	1	<b>Primary recommendation</b> – Remove the existing door system and install new pre hung door unit <b>Secondary recommendation</b> – Wet plane the lead paint away from all friction and impact points. Then perform substrate stabilization, wet scrape and repaint	
Lead in household dust	Entire house	1	<b>Primary recommendation</b> -Clean house using the HEPA wet wash	



			HEPA process. <b>Secondary recommendation-</b> None	
Soils	All bare areas side C and drip line	2	<b>Primary recommendation-</b> Mechanically till, mix, blend all soils to a depth of at least 6". Then seed to grass. <b>Secondary recommendation-</b> Remove the top 6" of soils and then replace with new clean soils that have a total lead concentration of less than 200 PPM	

1 – most severe 2 – very severe 3 – somewhat severe

**NOTE:** Cost estimates are derived from the Home Tech Estimating Manual and are provided only as a general estimate if work was completed by a certified Lead Abatement Contractor. Costs may vary substantially depending on area and availability of certified contractors.

### 2.3 Positive XRF Readings

Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	PbC	PbC Error
CALIBRATE								Positive	1.01	0.01
CALIBRATE								Positive	1.02	0.02
CALIBRATE								Positive	2.18	0
DOOR SLAB WINDOW	WOOD	B	INTACT	WHITE	914	FIRST	Rm 1	Positive	3.9	1.9
CASING WINDOW	WOOD	C	INTACT	WHITE	914	FIRST	PORCH	Positive	5.9	3.8
SASH WINDOW	WOOD	C	POOR	WHITE	914	FIRST	PORCH	Positive	5.2	1.3
EXT SILL DOOR	WOOD	C	POOR	WHITE	914	FIRST	PORCH	Positive	5.9	1.6
CASING	WOOD	C	INTACT	WHITE	914	FIRST	PORCH	Positive	2.4	0.9
BASEBOARD	WOOD	C	INTACT	WHITE	914	FIRST	PORCH	Positive	3.1	1.7
DOOR JAMB	WOOD	D	POOR	WHITE	914	FIRST	Rm 2	Positive	2.9	1.7
WALL DOOR	PLASTER	C	INTACT	BLUE	914	FIRST	BATH	Positive	2.1	1.1
CASING	WOOD	C	INTACT	BLUE	914	FIRST	BATH	Positive	1.6	0.5
DOOR SLAB	WOOD	C	INTACT	BLUE	914	FIRST	BATH	Positive	1.3	0.2
FLOOR	WOOD		INTACT	BLUE	914	FIRST	BATH	Positive	2	0.6
WALL	WOOD	B	INTACT	BLUE	914	FIRST	BATH	Positive	1.5	2.9
WALL	WOOD	C	INTACT	BLUE	914	FIRST	BATH	Positive	1.7	0.2
WALL	WOOD	D	INTACT	BLUE	914	FIRST	BATH	Positive	1.8	0.2
BASEBOARD WINDOW	WOOD	B	INTACT	BLUE	914	FIRST	BATH	Positive	1.6	0.6
CASING WINDOW	WOOD	B	INTACT	BLUE	914	FIRST	BATH	Positive	2.5	1.1
STOOL	WOOD	B	INTACT	BLUE	914	FIRST	BATH	Positive	3.3	1.3
WALL	PLASTER	A	INTACT	GREEN	914	FIRST	Rm 3	Positive	2.2	1.2

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WALL	PLASTER	B	INTACT	GREEN	914	FIRST	Rm 3	Positive	3.8	1.4
WALL	PLASTER	C	INTACT	GREEN	914	FIRST	Rm 3	Positive	2	0.6
WALL	PLASTER	D	INTACT	GREEN	914	FIRST	Rm 3	Positive	1.4	0.13
WALL	PLASTER	C	INTACT	GREEN	914	FIRST	Rm 3	Positive	1.5	0.8
FLOOR	WOOD		POOR	WHITE	914	FIRST	Rm 3	Positive	1.2	0.7
WALL	PLASTER	B	POOR	RED	914	FIRST	KITCHEN	Positive	2.4	0.9
WALL	PLASTER	C	POOR	RED	914	FIRST	KITCHEN	Positive	2.9	0.6
WALL	PLASTER	D	INTACT	RED	914	FIRST	KITCHEN	Positive	6.9	3
WALL	WOOD	D	INTACT	RED	914	FIRST	KITCHEN	Positive	1.4	0.4
CABINET										
WALL	PLASTER	A	POOR	WHITE	914	FIRST	KITCHEN	Positive	2.3	0.21
WALL	PLASTER	B	POOR	WHITE	914	FIRST	STAIR	Positive	3.3	1.2
WALL	PLASTER	C	POOR	WHITE	914	FIRST	STAIR	Positive	3.2	0.7
WALL	PLASTER	D	POOR	WHITE	914	FIRST	STAIR	Positive	3.2	1.6
WALL	PLASTER	A	POOR	TAN	914	SECOND	STAIR	Positive	2.8	1.8
WALL	PLASTER	A	POOR	WHITE	914	SECOND	KITCHEN	Positive	9.3	2.5
WALL	PLASTER	B	POOR	WHITE	914	SECOND	KITCHEN	Positive	5.1	2.2
WALL	PLASTER	C	POOR	WHITE	914	SECOND	KITCHEN	Positive	12.4	3.7
WALL	PLASTER	D	POOR	WHITE	914	SECOND	KITCHEN	Positive	5.2	2.4
WALL	WOOD	B	POOR	WHITE	914	SECOND	KITCHEN	Positive	5.9	4.5
WALL	WOOD	C	POOR	WHITE	914	SECOND	KITCHEN	Positive	4.9	2.4
WALL	WOOD	D	POOR	WHITE	914	SECOND	KITCHEN	Positive	5.6	2.6
CABINET										
WALL	PLASTER	D	POOR	WHITE	914	SECOND	KITCHEN	Positive	1.7	0.7
CEILING	PLASTER		POOR	YELLOW	914	SECOND	KITCHEN	Positive	6.1	2.9
WALL										
UPPER	PLASTER	A	POOR	WHITE	914	SECOND	Rm 6	Positive	1.5	0.4
WALL										
UPPER	PLASTER	B	POOR	WHITE	914	SECOND	Rm 6	Positive	1.6	0.9
WALL										
UPPER	PLASTER	C	POOR	WHITE	914	SECOND	Rm 6	Positive	1.7	2.1
WALL										
UPPER	PLASTER	D	POOR	WHITE	914	SECOND	Rm 6	Positive	2	1.2
WALL										
UPPER	PLASTER	A	POOR	WHITE	914	SECOND	Rm 6	Positive	1.1	0.8
CEILING	PLASTER		POOR	WHITE	914	SECOND	Rm 6	Positive	2.8	1.6
WINDOW										
CASING	WOOD	C	POOR	WHITE	914	SECOND	PORCH	Positive	12	3.8
WINDOW										
SASH	WOOD	C	POOR	WHITE	914	SECOND	PORCH	Positive	1.9	0.5
WINDOW										
STOOL	WOOD	C	POOR	WHITE	914	SECOND	PORCH	Positive	5.5	2.1
WALL	PLASTER	D	POOR	WHITE	914	SECOND	STAIR	Positive	1.7	0.6
WALL	PLASTER	C	POOR	WHITE	914	SECOND	STAIR	Positive	1.6	0.5
RISER	WOOD	D	POOR	YELLOW	914	SECOND	STAIR	Positive	1.7	0.3
TREAD	WOOD	D	POOR	YELLOW	914	SECOND	STAIR	Positive	1.9	0.6



STRINGER	WOOD	D	POOR	WHITE	914	SECOND	STAIR	Positive	1.4	0.4
WALL	PLASTER	A	POOR	WHITE	914	SECOND	STAIR	Positive	1.6	0.7
WALL	PLASTER	B	POOR	WHITE	914	SECOND	STAIR	Positive	1.7	1
STRINGER	WOOD	B	POOR	WHITE	914	SECOND	STAIR	Positive	1.6	0.4
DOOR SLAB	WOOD	A	POOR	PINK	914	SECOND	STAIR	Positive	2.4	0.6
WALL	PLASTER	A	POOR	YELLOW	914	SECOND	BATHROOM	Positive	4.8	2.7
WALL	PLASTER	B	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.9	2.6
WALL	PLASTER	C	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.4	0.8
WALL	PLASTER	B	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.7	0.4
DOOR	PLASTER	C	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.1	0.2
BASEBOARD	PLASTER	C	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.2	0.2
TREAD	WOOD	B	POOR	BLUE	914	FIRST	STAIR	Positive	2.1	0.9
RISER	WOOD	B	POOR	BLUE	914	FIRST	STAIR	Positive	3.1	1
STRINGER	WOOD	B	POOR	BLUE	914	FIRST	STAIR	Positive	2.2	0.9
WINDOW										
FRAME	WOOD	D	POOR	WHITE	914	FIRST	STAIR	Positive	1.5	1
WINDOW										
SASH	WOOD	D	POOR	WHITE	914	FIRST	STAIR	Positive	1	0.4
WALL	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	2.4	1.2
WALL	WOOD	B	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	3.1	1.6
WALL	WOOD	C	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	5.1	3.9
WALL	WOOD	D	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	4.6	2.1
WINDOW										
CASING	WOOD	A	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	5.8	2.5
WINDOW										
SASH	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	4.5	2.2
WINDOW										
EXT SILL	WOOD	A	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	9.8	5.6
WINDOW										
CASING	WOOD	B	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	4.4	0.2
WINDOW										
SASH	WOOD	B	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	5.1	2.1
WINDOW										
EXT SILL	WOOD	B	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	8	5.8
DOOR										
CASING TO										
PORCH	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	6.9	4.6
DOOR JAMB										
TO PORCH	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	3.3	2.2
DOOR										
CASING TO										
STAIR	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	5.1	2.3
THRESHOLD	WOOD	A	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	2.4	0.6
PORCH STEP	WOOD	B	POOR	GREEN	914	FIRST	OUTSIDE	Positive	13.4	6.8
DOOR										
CASING	WOOD	B	POOR	GREEN	914	FIRST	OUTSIDE	Positive	12.3	8.2
DOOR SLAB	WOOD	B	POOR	WHITE	914	FIRST	OUTSIDE	Positive	1.3	0.24



CEILING	WOOD	B	POOR	WHITE	914	FIRST	OUTSIDE	Positive	13	7.7
BEAM	WOOD	B	POOR	WHITE	914	FIRST	OUTSIDE	Positive	12.5	8.2
DOOR										
CASING	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	11.8	7.2
DOOR JAMB	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	9.4	5.2
DOOR SLAB	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	13.9	6.8
DOOR										
CASING	WOOD	C	POOR	GREEN	914	FIRST	OUTSIDE	Positive	13.3	3.3
DOOR JAMB	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	14.7	7.8
DOOR SLAB	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	5.3	2.4
WINDOW										
CASING	WOOD	D	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	4.8	1.5
WINDOW										
SASH	WOOD	D	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	5.5	2.1
WINDOW										
EXT SILL	WOOD	D	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	4.4	2.6
FASCIA	WOOD	B	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	8	5.8
SOFFIT	WOOD	B	POOR	WHITE	915	FIRST	HOUSE EXT	Positive	12.56	2.3
CALIBRATE								Positive	1	0.01
CALIBRATE								Positive	1.1	0.02
CALIBRATE								Positive	2.3	0.31

#### 2.4 Dust Wipe Sample Results

Sample Number	Room Location	Component	Hazard Yes/No	Pb Concentration in ug/sqft
1	Room 1	Floor	Yes	110
2	Room 1	Stool	No	44
3	Bathroom	Floor	No	<20
4	Bathroom	Stool	Yes	830
5	Room 2	Floor	Yes	48
6	Room 2	Trough	Yes	3900
7	Room 3	Floor	Yes	67
8	Room 3	Stool	Yes	1400
9	Kitchen	Floor	Yes	79
10	Kitchen	Stool	Yes	1100
11	Room 7	Floor	Yes	310
12	Room 7	Stool	Yes	610
13	Blank			0

HUD reporting limits – floors, 40 ug/ft2, window sills, 250 ug/ft2, window troughs 400 ug/ft2

BRL – below reporting limits

#### 2.5 Soil Sample Results

Sample Number	Location	Results in Parts per Million
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14	Drip line B	680
15	Drip line C	2000
16	Under back porch	1800

Note – lead in soil is considered a hazard at 1200 ppm or greater. Play areas for children at 400 ppm.  
BRL – below reporting limits

### 3.0 SITE DESCRIPTION

- 3.1 This is a single family owner occupied wood frame two story home built in the early 1900's. It was for some time, previous to this owner, a two unit rental property. This owner converted is converting it back to a single family structure. Work on renovating the building is ongoing. The building sits on a very busy one-way highway through the north side of town. There is no garage. A vehicle repair business is next door to the north.

### 3.2 Building Condition Form

<u>Condition</u>	Yes	No
Roof missing parts of surface covering?		x
Roof has holes or large cracks?		x
Gutters or downspouts broken? None present		
Chimney or masonry cracked, with loose or missing components, out of plumb or otherwise deteriorated?		x
Exterior or interior walls have large cracks, or damage requiring more than routine painting?	x	
Exterior siding missing components?		x
Water stains on interior walls or ceilings?		x
Plaster walls deteriorated?		x
Two or more windows or doors missing, broken or boarded up?		x
Porch or steps have major cracks, missing materials, structural leans, or visibly unsound?		x
<i>Foundation has damage, structural leans or is unsound</i>		
Other conditions not listed:		

### 4.0 OCCUPANCY INFORMATION

- 4.1 This house is occupied by the owner, her son and her husband. The house is  
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more than capable of supporting this sized family.

#### 4.2 Resident Questionnaire

##### Children's Habits and Behavioral Factors

Do you have children that live in your home or visit on a regular basis?	Thomas Crawford	
What are the ages of the children?	7 yrs.	
For children under the age of 6 complete the chart below indicating where the children eat, sleep, play indoors and play outdoors		

Name of child	Where is the child's bedroom	Location of all rooms where child eats	Primary location where child plays indoors	Primary location where child plays outdoors
Thomas Crawford	Room 3	Rooms 1, 2, 3	Room 3	Back yard

Where are toys stored?	Room 3
Is there any visible evidence of chewed painted surfaces such as window sills, toys, jewelry etc? Give locations.	No (If "yes" list below all locations of bite marks)
Are there any areas of peeling paint on walls, ceilings, stairs, woodwork, furniture or toys? Exterior and Back porch	Yes See XRF table for locations
Does the child put painted objects into his/her mouth such as crayons, paint chips, chew on crib railing, chew on window sills, etc? If yes please explain.	Explain: No

##### Children's Dietary Risk Factors

Does the family use imported canned foods, spices, etc?	No
Is food prepared, served or stored in any of the following types of containers? <b>No</b>	<input type="checkbox"/> glazed ceramic <input type="checkbox"/> crystal <input type="checkbox"/> pewter <input type="checkbox"/> stoneware <input type="checkbox"/> other _____
Do you use home remedies, folk medicine, or herbal	No



treatments such as Alarcon, Alkohl, Azarcon, Bali Goli, Coral, Ghasard, Greta, Liga, Pay-loo-ah, Rueda, Sindoor, etc.	List which ones:
Do any of the children under the age of 6 take dolomite, oyster shell or bonemeal as a calcium or phosphorus supplement?	

### ***Family Use Patterns***

Which entrances are used most frequently?	Front & Back
Which windows are opened most frequently?	Front Porch, dining
Do you use window air conditioners? If yes, where?	No
Do any household members have a vegetable garden? If yes where	No
Are you planning any landscaping activities? If yes where and what type.	No
Is there a pet such as a dog or cat?	No
How often is the household cleaned?	Everyday
What cleaning methods are used?	Mop and wept wipe
Did you recently complete any building renovations? If yes, where and what was done	Dry wall & painting in whole house
Was building debris stored in the yard? If yes, where?	No
Are you planning any building renovations? If yes, where?	Y- more painting up stairs
Do any household members work in a lead-related industry or have hobbies that use lead such as making fishing weights, make bullets, stained glass windows, etc?	No
If yes, where are dirty clothes placed and cleaned?	No

Who was interviewed for this section? Name: Brandi Crawford-Johnson	Date: 1/8/13
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### **ADDITIONAL COMMENTS**

Please list in the space below other comments not covered by this survey regarding how and where your child might be getting lead poisoning. Example: child stays often at grandmother's home which is old and may have defective paint; child eats dirt; etc.

## **5.0 BACKGROUND INFORMATION AND EDUCATIONAL INFORMATION**

### **5.1 Health Effects of Lead Exposure**

Lead is a soft metal, naturally occurring in the Earth's crust. It has been determined, however, that lead has no useful purpose in the human body, and acts as a toxin. It takes the place of essential minerals such as calcium, potassium, and iron, which are vital to the construction and repair of bones, organs and blood. Lead exposures have become a major health concern, especially in young children under the age of six.

Children, due to their smaller body mass and higher metabolism, are affected by lead exposures much more severely than adults. They ingest lead through daily hand-to-mouth activities and may develop severe attention deficit disorders, irreversible brain injury, learning disabilities and aggressive behaviors. The symptoms of lead poisoning often mimic other afflictions such as flu, colic or general malaise. It is important to have young children's blood tested for lead burden.

### **5.2 Sources of Lead Poisoning**

Since lead is ingested by routine daily activities such as eating, playing and working, it is important to understand the sources of lead exposures. The most common places to find lead in household settings are interior and exterior paint, and contaminated dust or soil. Lead-based paint is most hazardous when it is chipping, peeling, cracking, or chalking; or applied to friction surfaces of components such as doors, windows, and floors. The abrasive action of painted surfaces rubbing together causes lead-containing paints to be ground into a fine dust. Lead dust can also be created from decaying vinyl mini blinds. Lead dust then settles on furniture, play area floors, and children's toys, where children are exposed during regular activities.

Several other sources of lead in the home include lead dust brought into the home from occupational exposures, water pipes, fixtures, and joints; decorative china, "leaded" crystal, fishing lures and sinkers, firearms ammunition, wine bottles and cosmetics. Some hobbies may also contribute to lead contamination within the home. Exposures to all sources of lead should be minimized or eliminated.

### **5.3 Methods to Reduce Exposure the Lead Hazards**



The simplest and often most effective way to reduce lead exposures is through regular washing of hands, toys, and horizontal surfaces in the home with a liquid hand soap or dish soap and water. It is highly recommended that disposable cleaning materials be used to wash surfaces, so as not to re-contaminate them with a used mop or cloth.

Other ways of reducing lead hazards within the home include taking shoes off before entering living areas, letting water run prior to drinking or cooking, covering exposed soil with plant materials, and vacuuming with a High Efficiency Particulate Air (HEPA) filtered vacuum.

For more information regarding lead poisoning and prevention, contact your local health department or the National Lead Information Center (800-424-LEAD (5323)). Contact the Michigan Department of Community Health, Lead Hazard Remediation Program at (866) 691-5323 for information regarding lead hazard remediation or selection of qualified lead professionals.

## **6.0 RE-EVALUATION AND MONITORING SCHEDULE**

All painted components require periodic re-evaluation and monitoring. Re-evaluation typically is scheduled on a bi-annual basis but more frequent re-evaluations may be required depending on site conditions. All painted surfaces must remain in good / intact condition. Painted surfaces that are peeling, cracking, blistering or causing dust from friction or impact must be corrected immediately to prevent hazardous exposure to possible lead based paint sources. All repairs must follow HUD Guidelines for the interim control and abatement of lead based paint hazards.

## **7.0 ADDITIONAL RESOURCES**

For further information regarding lead-based paint hazards and poisoning prevention, consult the following resources:

### CONTACTS

National Lead Information Center: .....800-424-LEAD (5323)  
U.S. Department of Housing and Urban Development: .....888-532-3547 (LEADLIST)  
Michigan Lead Hazard Remediation Program: .....866-691-LEAD (5323)

### PUBLICATIONS

*"Lead in Your Home: A Parent's Reference Guide"* U.S. Environmental Protection Agency  
*"Protect Your Family From Lead in Your Home"* U.S. Environmental Protection Agency  
*"Lead Paint Safety: A Field Guide for Painting, Home Maintenance, and Renovation Work"*  
U.S. Department of Housing and Urban Development

### WEB SITES:

- State of Michigan Lead Hazard Remediation Program [www.michigan.gov/leadsafe](http://www.michigan.gov/leadsafe)
- HUD – Office of Healthy Homes and Lead Hazard Control [www.hud.gov/offices/lead](http://www.hud.gov/offices/lead)
- EPA [www.epa.gov/lead](http://www.epa.gov/lead)
- National Safety Council [www.nsc.org/issues/lead](http://www.nsc.org/issues/lead)



## 8.0 CERTIFICATION

*The information contained in this report is a true and accurate representation of the lead-based paint conditions at the subject property at the time of the investigation, based on the professional judgment of the person(s) who conducted and reported this lead-based paint inspection and risk assessment:*

**George Williams** Michigan Registered Lead Inspector and Risk Assessor, P-0071

## 9.0 APPENDIX

### 9.1 Sampling Procedures

#### 9.12 Laboratory

Dust and soil samples were analyzed by State of Michigan Department of Community Health Trace Metals Laboratory located at 3335 Martin Luther King Jr. Blvd., Lansing, Michigan 48909 (517-335-9490). The Michigan Department of Community Health Environmental Lead Laboratory participates in the Environmental Lead Proficiency Analytical Testing (ELPAT) quality control rounds and is approved by the National Lead Laboratory Accreditation Program (NLLAP).

#### 9.13 Soil Sampling

Soil samples, if deemed appropriate by the Risk Assessor, were collected following HUD guidelines from areas of exposed soil located within the boundaries of the property, such as sandbox, play areas, and foundation drip line. Composite samples from the upper 1/2 inch of soil were collected and analyzed by State of Michigan Department of Community Health Trace Metals Laboratory. Results are reported in parts of lead per million parts of sampled soil.

#### 9.14 Dust Wipe Sampling

Dust wipe samples, where deemed appropriate by the Risk Assessor, were collected according to HUD Guidelines, as follows:

- An area located on the surface to be sampled was measured and marked.
- A single approved sampling wipe (disposable towelette) was opened with a gloved hand and wiped across the sampling area in a series of "S" patterns. *Composite dust wipe samples are prohibited in Michigan.*
- The wipe was then placed into a container labeled with the site location identification, sample location and size of area sampled.
- Samples were analyzed by the State of Michigan Department of Community Health Trace



Metals Laboratory. The results reported in micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ).

#### 9.15 XRF Analysis

The instrument used for this Risk Assessment was an X-ray fluorescence unit (XRF) manufactured by NITON. The unit was operated according to Performance Characteristic Sheet recommendations. XRF technology utilizes low level radiation to excite atoms within painted surfaces. The XRF unit interprets the gamma radiation rebound to determine whether or not lead is present and if so to what degree. If the unit detects lead at the HUD defined threshold limit of 1.0  $\mu\text{g}/\text{sq cm}$  or more then a positive reading is reported.

##### **HOW TO INTERPRET XRF READINGS:**

There are ten columns in the XRF table. The interpretation of each column is as follows:

**Column 1** – Number (#): This is simply the shot number that was taken during the inspection. On occasion, the number may not start at “1” if XRF shots from previous inspections are still in the XRF devise.

**Column 2** – Color: This is the color of the surface of the component being tested with the XRF. Also listed in this column is the XRF calibration. The XRF must be calibrated before inspection and at the end of the inspection. Additionally, the XRF needs to be calibrated every 4 hours if the inspection exceeds 4 hours.

**Column 3** – Side: This column determines where the item being tested is located in the room. Side A is always the *address side* of the building. Then, proceeding in a clockwise direction the adjacent sides are labeled B, C and D. Sides A,B,C and D are identified on the Floor Plan in Section 9.2. For example, if you were standing in a bedroom that had two windows on different walls these windows would be identified by the side location such as Window Side A and Window Side B.

**Column 4** – Surface: This column identifies the surface that was tested. Some examples are doors, door trim, walls, ceiling, exterior siding etc.

**Column 5** – Room: This column identifies the room where XRF testing occurred. Rooms are always identified by a number, except for kitchens and bathrooms. Numbers are used because room usage may change i.e. a bedroom may become an office.

**Column 6** – Substrate: This column defines what material the paint was applied to. Substrates are most commonly plaster or wood but could be other material such as metal.

**Column 7** – Floor: This simply corresponds to the floor of the building. Basements are identified as “floor 0”.

**Column 8** – Condition: This column identifies the condition of the paint on the surface being tested. Terms such as intact, fair, poor etc. are used to describe the paint condition.



**Column 9 – Result:** This column indicates whether or not the paint tested Positive or Negative for the presence of lead.

**Column 10 – Depth Index:** The XRF has the capability to detect lead in many layers of paint, not just surface layers. A depth index reading of less than 1.5 indicates that lead is near the surface of the material tested. A depth index reading between 1.6 and 4 indicates that lead was found at a moderate depth. A depth index reading of 4 or higher indicates that lead was found deeply buried in the material tested.

Niton XRF serial Number 18554

Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	PbC	PbC Error
CALIBRATE								Positive	1.01	0.01
CALIBRATE								Positive	1.02	0.02
CALIBRATE								Positive	2.18	0
WALL	PLASTER	A	INTACT	BROWN	914	FIRST	Rm 1	Negative	0	0.02
WALL	PLASTER	B	INTACT	BROWN	914	FIRST	Rm 1	Negative	0	0.02
WALL	PLASTER	C	INTACT	BROWN	914	FIRST	Rm 1	Negative	0	0.03
WALL	PLASTER	D	INTACT	BROWN	914	FIRST	Rm 1	Negative	0	0.02
CEILING	PLASTER		INTACT	BROWN	914	FIRST	Rm 1	Negative	0.02	0.28
WINDOW										
CASING	WOOD	D	INTACT	WHITE	914	FIRST	Rm 1	Negative	0.08	0.15
WINDOW										
SASH	WOOD	D	POOR	WHITE	914	FIRST	Rm 1	Negative	0.13	0.24
WINDOW										
STOOL	WOOD	D	INTACT	WHITE	914	FIRST	Rm 1	Negative	0.13	0.36
ARCH										
CASING	WOOD	C	INTACT	WHITE	914	FIRST	Rm 1	Negative	0.17	0.47
ARCH JAMB	WOOD	C	INTACT	WHITE	914	FIRST	Rm 1	Negative	0.03	0.08
DOOR										
CASING	WOOD	B	INTACT	WHITE	914	FIRST	Rm 1	Negative	0.16	0.45
DOOR JAMB	WOOD	B	POOR	WHITE	914	FIRST	Rm 1	Negative	0.15	0.32
DOOR SLAB	WOOD	B	INTACT	WHITE	914	FIRST	Rm 1	Positive	3.9	1.9
BASEBOARD	WOOD	B	INTACT	WHITE	914	FIRST	Rm 1	Negative	0.09	0.09
DOOR										
CASING	WOOD	A	INTACT	WHITE	914	FIRST	Rm 1	Negative	0.16	0.47
DOOR JAMB	WOOD	A	POOR	WHITE	914	FIRST	Rm 1	Negative	0.05	0.13
DOOR SLAB	WOOD	A	INTACT	BROWN	914	FIRST	Rm 1	Negative	0.02	0.07
WALL	DRYWALL	A	INTACT	WHITE	914	FIRST	PORCH	Negative	0.14	0.12
WALL	DRYWALL	B	INTACT	WHITE	914	FIRST	PORCH	Negative	0.17	0.24
WALL	DRYWALL	C	INTACT	WHITE	914	FIRST	PORCH	Negative	0.12	0.2
WALL	DRYWALL	D	INTACT	WHITE	914	FIRST	PORCH	Negative	0.09	0.12
WINDOW										
CASING	WOOD	C	INTACT	WHITE	914	FIRST	PORCH	Positive	5.9	3.8
WINDOW	WOOD	C	POOR	WHITE	914	FIRST	PORCH	Positive	5.2	1.3

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SASH										
WINDOW										
EXT SILL	WOOD	C	POOR	WHITE	914	FIRST	PORCH	Positive	5.9	1.6
WINDOW										
CASING	WOOD	A	POOR	WHITE	914	FIRST	PORCH	Negative	0.03	0.07
WINDOW										
SASH	WOOD	A	POOR	WHITE	914	FIRST	PORCH	Negative	0.05	0.09
WINDOW										
STOOL	WOOD	A	POOR	WHITE	914	FIRST	PORCH	Negative	0.11	0.12
CEILING	DRYWALL		INTACT	WHITE	914	FIRST	PORCH	Negative	0.21	0.32
DOOR										
CASING	WOOD	C	INTACT	WHITE	914	FIRST	PORCH	Positive	2.4	0.9
DOOR SLAB	WOOD	C	INTACT	BROWN	914	FIRST	PORCH	Negative	0.02	0.06
BASEBOARD	WOOD	C	INTACT	WHITE	914	FIRST	PORCH	Positive	3.1	1.7
FLOOR	WOOD	C	INTACT	BROWN	914	FIRST	PORCH	Negative	0.25	0.11
WALL	DRYWALL	A	INTACT	BLUE	914	FIRST	Rm 2	Negative	0.02	0.02
WALL	DRYWALL	B	INTACT	BLUE	914	FIRST	Rm 2	Negative	0.01	0.02
WALL	DRYWALL	C	INTACT	BLUE	914	FIRST	Rm 2	Negative	0.03	0.02
WALL	DRYWALL	D	INTACT	BLUE	914	FIRST	Rm 2	Negative	0.03	0.02
CEILING	DRYWALL		INTACT	BLUE	914	FIRST	Rm 2	Negative	0.03	0.02
ARCH										
CASING	WOOD	A	INTACT	WHITE	914	FIRST	Rm 2	Negative	0.07	0.16
ARCH JAMB	WOOD	A	INTACT	WHITE	914	FIRST	Rm 2	Negative	0.09	0.2
DOOR										
CASING	WOOD	A	INTACT	WHITE	914	FIRST	Rm 2	Negative	0.27	0.56
DOOR JAMB	WOOD	A	POOR	WHITE	914	FIRST	Rm 2	Negative	0.1	0.34
DOOR SLAB	WOOD	A	INTACT	WHITE	914	FIRST	Rm 2	Negative	0.2	0.39
WINDOW										
CASING	WOOD	B	INTACT	WHITE	914	FIRST	Rm 2	Negative	0.07	0.13
WINDOW										
SASH	WOOD	B	POOR	WHITE	914	FIRST	Rm 2	Negative	0.14	0.18
WINDOW										
STOOL	WOOD	B	POOR	WHITE	914	FIRST	Rm 2	Negative	0.7	0.2
DOOR										
CASING	WOOD	C	INTACT	WHITE	914	FIRST	Rm 2	Negative	0.03	0.07
DOOR JAMB	WOOD	C	POOR	WHITE	914	FIRST	Rm 2	Negative	0.14	0.17
DOOR SLAB	WOOD	C	INTACT	WHITE	914	FIRST	Rm 2	Negative	0.13	0.33
DOOR										
CASING	WOOD	D	INTACT	WHITE	914	FIRST	Rm 2	Negative	0.08	0.25
DOOR JAMB	WOOD	D	POOR	WHITE	914	FIRST	Rm 2	Positive	2.9	1.7
FLOOR	WOOD	D	INTACT	WHITE	914	FIRST	Rm 2	Negative	0.02	0.04
WALL	PLASTER	A	INTACT	BLUE	914	FIRST	BATH	Negative	0	0.02
WALL	PLASTER	B	INTACT	BLUE	914	FIRST	BATH	Negative	0	0.02
WALL	PLASTER	C	INTACT	BLUE	914	FIRST	BATH	Positive	2.1	1.1
WALL	PLASTER	D	INTACT	BLUE	914	FIRST	BATH	Negative	0	0.02
DOOR										
CASING	WOOD	C	INTACT	BLUE	914	FIRST	BATH	Positive	1.6	0.5



DOOR JAMB	WOOD	C	INTACT	BLUE	914	FIRST	BATH	Negative	0.18	0.16
DOOR SLAB	WOOD	C	INTACT	BLUE	914	FIRST	BATH	Positive	1.3	0.2
FLOOR	WOOD		INTACT	BLUE	914	FIRST	BATH	Positive	2	0.6
WALL	WOOD	B	INTACT	BLUE	914	FIRST	BATH	Positive	1.5	2.9
WALL	WOOD	C	INTACT	BLUE	914	FIRST	BATH	Positive	1.7	0.2
WALL	WOOD	D	INTACT	BLUE	914	FIRST	BATH	Positive	1.8	0.2
BASEBOARD	WOOD	B	INTACT	BLUE	914	FIRST	BATH	Positive	1.6	0.6
WINDOW										
CASING	WOOD	B	INTACT	BLUE	914	FIRST	BATH	Positive	2.5	1.1
WINDOW										
SASH	WOOD	B	INTACT	BLUE	914	FIRST	BATH	Negative	0.14	0.24
WINDOW										
STOOL	WOOD	B	INTACT	BLUE	914	FIRST	BATH	Positive	3.3	1.3
WALL	PLASTER	A	INTACT	GREEN	914	FIRST	Rm 3	Positive	2.2	1.2
WALL	PLASTER	B	INTACT	GREEN	914	FIRST	Rm 3	Positive	3.8	1.4
WALL	PLASTER	C	INTACT	GREEN	914	FIRST	Rm 3	Positive	2	0.6
WALL	PLASTER	D	INTACT	GREEN	914	FIRST	Rm 3	Positive	1.4	0.13
WALL	PLASTER	C	INTACT	GREEN	914	FIRST	Rm 3	Positive	1.5	0.8
WINDOW										
CASING	WOOD	D	INTACT	WHITE	914	FIRST	Rm 3	Negative	0.4	0.3
WINDOW										
SASH	WOOD	D	POOR	WHITE	914	FIRST	Rm 3	Negative	0.4	0.4
WINDOW										
STOOL	WOOD	D	POOR	WHITE	914	FIRST	Rm 3	Negative	0.3	0.19
CLOSET										
CASING	WOOD	C	INTACT	WHITE	914	FIRST	Rm 3	Negative	0.18	0.45
CLOSET										
JAMB	WOOD	C	POOR	WHITE	914	FIRST	Rm 3	Negative	0.12	0.28
CLOSET										
WALL	PLASTER	C	POOR	WHITE	914	FIRST	Rm 3	Negative	0.1	0.08
DOOR										
CASING	WOOD	C	INTACT	WHITE	914	FIRST	Rm 3	Negative	0.17	0.41
DOOR JAMB	WOOD	C	POOR	WHITE	914	FIRST	Rm 3	Negative	0.1	0.21
DOOR SLAB	WOOD	C	POOR	WHITE	914	FIRST	Rm 3	Negative	0.16	0.23
DOOR										
CASING	WOOD	B	INTACT	WHITE	914	FIRST	Rm 3	Negative	0.17	0.54
DOOR JAMB	WOOD	B	POOR	WHITE	914	FIRST	Rm 3	Negative	0.14	0.38
DOOR SLAB	WOOD	B	POOR	WHITE	914	FIRST	Rm 3	Negative	0.11	0.3
FLOOR	WOOD		POOR	WHITE	914	FIRST	Rm 3	Positive	1.2	0.7
WALL	PLASTER	A	INTACT	RED	914	FIRST	KITCHEN	Negative	0	0.02
WALL	PLASTER	B	POOR	RED	914	FIRST	KITCHEN	Positive	2.4	0.9
WALL	PLASTER	C	POOR	RED	914	FIRST	KITCHEN	Positive	2.9	0.6
WALL	PLASTER	D	INTACT	RED	914	FIRST	KITCHEN	Positive	6.9	3
WALL	WOOD	D	INTACT	RED	914	FIRST	KITCHEN	Positive	1.4	0.4
WALL	WOOD	A	INTACT	RED	914	FIRST	KITCHEN	Negative	0.4	0.4
WALL	WOOD	B	INTACT	RED	914	FIRST	KITCHEN	Negative	0.4	0.4



WALL DOOR CASING TO Rm 3	WOOD	C	POOR	RED	914	FIRST	KITCHEN	Negative	0.4	0.4
DOOR JAMB To Rm 3	WOOD	A	INTACT	WHITE	914	FIRST	KITCHEN	Negative	0.5	0.38
DOOR SLAB To Rm 3	WOOD	A	POOR	WHITE	914	FIRST	KITCHEN	Negative	0.17	0.32
CABINET DOOR OUT	WOOD	A	INTACT	WHITE	914	FIRST	KITCHEN	Negative	0.11	0.16
CABINET OUTSIDE	WOOD	A	INTACT	WHITE	914	FIRST	KITCHEN	Negative	0.4	0.4
CABINET DOOR IN	WOOD	A	POOR	WHITE	914	FIRST	KITCHEN	Negative	0.4	0.5
CABINET SHELF	WOOD	A	POOR	WHITE	914	FIRST	KITCHEN	Negative	0.3	0.18
WALL DOOR CASING To Rm 4	WOOD	A	POOR	WHITE	914	FIRST	KITCHEN	Negative	0.27	0.26
DOOR JAMB To Rm 4	PLASTER	A	POOR	WHITE	914	FIRST	KITCHEN	Positive	2.3	0.21
DOOR SLAB To Rm 4	WOOD	B	INTACT	BLACK	914	FIRST	KITCHEN	Negative	0.09	0.19
DOOR SLAB To Rm 4	WOOD	B	POOR	WHITE	914	FIRST	KITCHEN	Negative	0.2	0.59
WINDOW CASING	WOOD	B	POOR	WHITE	914	FIRST	KITCHEN	Negative	0.06	0.14
WINDOW SASH	WOOD	B	POOR	WHITE	914	FIRST	KITCHEN	Negative	0.07	0.19
WINDOW STOOL	WOOD	C	INTACT	BLACK	914	FIRST	KITCHEN	Negative	0.3	0.39
CABINET OUTSIDE	WOOD	C	POOR	BLACK	914	FIRST	KITCHEN	Negative	0.4	0.2
CABINET DOOR	WOOD	C	POOR	BLACK	914	FIRST	KITCHEN	Negative	0.5	0.3
ARCH CASING TO STAIR UP	WOOD	B	POOR	BLACK	914	FIRST	KITCHEN	Negative	0	0.02
ARCH CASING TO STAIR UP	WOOD	B	POOR	BLACK	914	FIRST	KITCHEN	Negative	0.02	0.05
FLOOR COUNTER TOP	WOOD	D	POOR	BLACK	914	FIRST	KITCHEN	Negative	0.4	0.4
WALL	WOOD	D	POOR	WHITE	914	FIRST	KITCHEN	Negative	0.07	0.23
WALL	WOOD		POOR	BLACK	914	FIRST	KITCHEN	Negative	0.03	0.06
WALL	WOOD	B	POOR	WHITE	914	FIRST	KITCHEN	Negative	0.21	0.3
WALL	PLASTER	A	POOR	WHITE	914	FIRST	Rm 4	Negative	0	0.07
WALL	PLASTER	B	POOR	BLUE	914	FIRST	Rm 4	Negative	0	0.02
WALL	PLASTER	C	POOR	BLUE	914	FIRST	Rm 4	Negative	0	0.02



WALL	PLASTER	D	POOR	BLUE	914	FIRST	Rm 4	Negative	0	0.02
WINDOW										
CASING	WOOD	B	POOR	WHITE	914	FIRST	Rm 4	Negative	0.04	0.1
WINDOW										
SASH	WOOD	B	POOR	WHITE	914	FIRST	Rm 4	Negative	0.19	0.32
WINDOW										
STOOL	WOOD	B	POOR	WHITE	914	FIRST	Rm 4	Negative	0	0.02
DOOR										
CASING	WOOD	B	POOR	WHITE	914	FIRST	Rm 4	Negative	0.09	0.54
DOOR JAMB	WOOD	B	POOR	WHITE	914	FIRST	Rm 4	Negative	0.09	0.18
DOOR SLAB	WOOD	B	POOR	WHITE	914	FIRST	Rm 4	Negative	0.04	0.05
CEILING	PLASTER		POOR	WHITE	914	FIRST	Rm 4	Negative	0.14	0.3
DOOR										
CASING	WOOD	A	POOR	WHITE	914	FIRST	Rm 4	Negative	0.23	0.37
DOOR JAMB	WOOD	A	POOR	WHITE	914	FIRST	Rm 4	Negative	0.08	0.22
DOOR SLAB	WOOD	A	POOR	WHITE	914	FIRST	Rm 4	Negative	0.12	0.37
DOOR										
CASING	WOOD	D	POOR	WHITE	914	FIRST	Rm 4	Negative	0.1	0.24
DOOR JAMB	WOOD	D	POOR	WHITE	914	FIRST	Rm 4	Negative	0.1	0.33
DOOR SLAB	WOOD	D	POOR	WHITE	914	FIRST	Rm 4	Negative	0.06	0.17
FLOOR	WOOD		POOR	WHITE	914	FIRST	Rm 4	Negative	0.02	0.05
BASEBOARD	WOOD	D	POOR	WHITE	914	FIRST	Rm 4	Negative	0.18	0.24
WALL	PLASTER	B	POOR	WHITE	914	FIRST	STAIR	Positive	3.3	1.2
WALL	PLASTER	C	POOR	WHITE	914	FIRST	STAIR	Positive	3.2	0.7
WALL	PLASTER	D	POOR	WHITE	914	FIRST	STAIR	Positive	3.2	1.6
ARCH										
CASING	WOOD	B	POOR	WHITE	914	FIRST	STAIR	Negative	0.06	0.11
ARCH JAMB	WOOD	B	POOR	BLUE	914	FIRST	STAIR	Negative	0.1	0.23
DOOR										
CASING TO										
EXT	WOOD	C	POOR	WHITE	914	FIRST	STAIR	Negative	0.15	0.13
DOOR JAMB										
TO EXT	WOOD	C	POOR	WHITE	914	FIRST	STAIR	Negative	0.1	0.11
DOOR SLAB										
TO EXT	WOOD	C	POOR	WHITE	914	FIRST	STAIR	Negative	0.13	0.13
STRINGER	WOOD	B	POOR	BROWN	914	FIRST	STAIR	Negative	0.03	0.07
STRINGER	WOOD	D	POOR	BROWN	914	FIRST	STAIR	Negative	0.12	0.34
RISER	WOOD	A	POOR	GREEN	914	FIRST	STAIR	Negative	0.17	0.26
TREAD	WOOD	A	POOR	GREEN	914	FIRST	STAIR	Negative	0.04	0.08
RAIL	WOOD	B	POOR	GREEN	914	FIRST	STAIR	Negative	0.06	0.16
WINDOW										
CASING	WOOD	D	POOR	TAN	914	SECOND	STAIR	Negative	0.09	0.23
WINDOW										
SASH	WOOD	D	POOR	TAN	914	SECOND	STAIR	Negative	0.11	0.08
WINDOW										
STOOL	WOOD	D	POOR	TAN	914	SECOND	STAIR	Negative	0.06	0.05
WALL	PLASTER	A	POOR	TAN	914	SECOND	STAIR	Positive	2.8	1.8



DOOR										
CASING	WOOD	B	POOR	TAN	914	SECOND	STAIR	Negative	0.6	0.3
DOOR JAMB	WOOD	B	POOR	TAN	914	SECOND	STAIR	Negative	0.11	0.13
WALL	PLASTER	A	POOR	WHITE	914	SECOND	KITCHEN	Positive	9.3	2.5
WALL	PLASTER	B	POOR	WHITE	914	SECOND	KITCHEN	Positive	5.1	2.2
WALL	PLASTER	C	POOR	WHITE	914	SECOND	KITCHEN	Positive	12.4	3.7
WALL	PLASTER	D	POOR	WHITE	914	SECOND	KITCHEN	Positive	5.2	2.4
WALL	WOOD	A	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.1	0.12
WALL	WOOD	B	POOR	WHITE	914	SECOND	KITCHEN	Positive	5.9	4.5
WALL	WOOD	C	POOR	WHITE	914	SECOND	KITCHEN	Positive	4.9	2.4
WALL	WOOD	D	POOR	WHITE	914	SECOND	KITCHEN	Positive	5.6	2.6
CABINET										
OUTSIDE	WOOD	D	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.04	0.1
CABINET										
DOOR OUT	WOOD	D	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.04	0.13
CABINET										
DOOR IN	WOOD	D	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.26	0.34
CABINET										
WALL	PLASTER	D	POOR	WHITE	914	SECOND	KITCHEN	Positive	1.7	0.7
CEILING	PLASTER		POOR	YELLOW	914	SECOND	KITCHEN	Positive	6.1	2.9
DOOR										
CASING	WOOD	D	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.1	0.23
DOOR JAMB	WOOD	D	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.06	0.19
DOOR										
CASING	WOOD	A	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.1	0.2
DOOR JAMB	WOOD	A	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.4	0.4
DOOR SLAB	WOOD	A	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.16	0.15
DOOR SLAB	WOOD	A	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.05	0.18
DOOR										
CASING	WOOD	B	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.07	0.14
DOOR JAMB	WOOD	B	POOR	WHITE	914	SECOND	KITCHEN	Negative	0.12	0.21
WALL	PLASTER	A	POOR	BLUE	914	SECOND	Rm 5	Negative	0.05	0.09
WALL	PLASTER	B	POOR	BROWN	914	SECOND	Rm 5	Negative	0.07	0.09
WALL	PLASTER	C	POOR	RED	914	SECOND	Rm 5	Negative	0.01	0.03
WALL	PLASTER	D	POOR	BLUE	914	SECOND	Rm 5	Negative	0.06	0.1
CEILING	PLASTER		POOR	WHITE	914	SECOND	Rm 5	Negative	0.02	0.04
WINDOW										
CASING	WOOD	C	POOR	WHITE	914	SECOND	Rm 5	Negative	0.12	0.24
WINDOW										
SASH	WOOD	C	POOR	WHITE	914	SECOND	Rm 5	Negative	0.07	0.05
WINDOW										
STOOL	WOOD	C	POOR	WHITE	914	SECOND	Rm 5	Negative	0.19	0.16
ARCH										
CASING	WOOD	D	POOR	WHITE	914	SECOND	Rm 5	Negative	0.03	0.09
ARCH										
CASING	WOOD	A	POOR	WHITE	914	SECOND	Rm 5	Negative	0.1	0.33
ARCH JAMB	WOOD	A	POOR	WHITE	914	SECOND	Rm 5	Negative	0.03	0.1



BASEBOARD	WOOD	A	POOR	WHITE	914	SECOND	Rm 5	Negative	0.3	0.55
WALL	PLASTER	A	POOR	BLUE	914	SECOND	Rm 6	Negative	0.01	0.02
WALL	PLASTER	B	POOR	BLUE	914	SECOND	Rm 6	Negative	0	0.02
WALL	PLASTER	C	POOR	BLUE	914	SECOND	Rm 6	Negative	0	0.02
WALL	PLASTER	D	POOR	BLUE	914	SECOND	Rm 6	Negative	0	0.02
ARCH										
CASING	WOOD	C	POOR	WHITE	914	SECOND	Rm 6	Negative	0.06	0.15
ARCH JAMB	WOOD	C	POOR	WHITE	914	SECOND	Rm 6	Negative	0.12	0.13
ARCH										
CASING	WOOD	C	POOR	WHITE	914	SECOND	Rm 6	Negative	0.02	0.07
ARCH JAMB	WOOD	C	POOR	WHITE	914	SECOND	Rm 6	Negative	0.14	0.58
ARCH										
CASING	WOOD	D	POOR	WHITE	914	SECOND	Rm 6	Negative	0.4	0.21
ARCH JAMB	WOOD	D	POOR	WHITE	914	SECOND	Rm 6	Negative	0.03	0.08
DOOR										
CASING	WOOD	A	POOR	WHITE	914	SECOND	Rm 6	Negative	0.16	0.4
DOOR JAMB	WOOD	A	POOR	WHITE	914	SECOND	Rm 6	Negative	0.07	0.23
DOOR SLAB	WOOD	A	POOR	WHITE	914	SECOND	Rm 6	Negative	0.03	0.08
DOOR SLAB	WOOD	A	POOR	WHITE	914	SECOND	Rm 6	Negative	0.4	0.4
WINDOW										
CASING	WOOD	B	POOR	WHITE	914	SECOND	Rm 6	Negative	0.02	0.06
WINDOW										
SASH	WOOD	B	POOR	WHITE	914	SECOND	Rm 6	Negative	0.1	0.09
WINDOW										
STOOL	WOOD	B	POOR	WHITE	914	SECOND	Rm 6	Negative	0.27	0.25
BASEBOARD	WOOD	B	POOR	WHITE	914	SECOND	Rm 6	Negative	0.03	0.04
WALL										
UPPER	PLASTER	A	POOR	WHITE	914	SECOND	Rm 6	Positive	1.5	0.4
WALL										
UPPER	PLASTER	B	POOR	WHITE	914	SECOND	Rm 6	Positive	1.6	0.9
WALL										
UPPER	PLASTER	C	POOR	WHITE	914	SECOND	Rm 6	Positive	1.7	2.1
WALL										
UPPER	PLASTER	D	POOR	WHITE	914	SECOND	Rm 6	Positive	2	1.2
WALL										
UPPER	PLASTER	A	POOR	WHITE	914	SECOND	Rm 6	Positive	1.1	0.8
CEILING	PLASTER		POOR	WHITE	914	SECOND	Rm 6	Positive	2.8	1.6
WALL	PLASTER	A	POOR	WHITE	914	SECOND	Rm 7	Negative	0.12	0.14
WALL	PLASTER	B	POOR	WHITE	914	SECOND	Rm 7	Negative	0.13	0.12
WALL	PLASTER	C	POOR	WHITE	914	SECOND	Rm 7	Negative	0.06	0.06
WALL	PLASTER	D	POOR	WHITE	914	SECOND	Rm 7	Negative	0.06	0.08
CEILING	PLASTER		POOR	WHITE	914	SECOND	Rm 7	Negative	0.18	0.2
WALL										
CASING	WOOD	A	POOR	WHITE	914	SECOND	Rm 7	Negative	0.02	0.02
DOOR										
CASING TO										
Rm 6	WOOD	B	POOR	WHITE	914	SECOND	Rm 7	Negative	0.03	0.08



DOOR JAMB TO Rm 6	WOOD	B	POOR	WHITE	914	SECOND	Rm 7	Negative	0.13	0.36
DOOR SLAB TO Rm 6	WOOD	B	POOR	WHITE	914	SECOND	Rm 7	Negative	0.07	0.23
DOOR CASING TO KITCHEN	WOOD	C	POOR	WHITE	914	SECOND	Rm 7	Negative	0.13	0.12
DOOR JAMB TO KITCHEN	WOOD	C	POOR	WHITE	914	SECOND	Rm 7	Negative	0.4	0.2
DOOR SLAB TO KITCHEN	WOOD	C	POOR	WHITE	914	SECOND	Rm 7	Negative	0.4	0.6
WINDOW CASING	WOOD	D	POOR	WHITE	914	SECOND	Rm 7	Negative	0.06	0.12
WINDOW SASH	WOOD	D	POOR	WHITE	914	SECOND	Rm 7	Negative	0.18	0.31
WINDOW STOOL	WOOD	D	POOR	WHITE	914	SECOND	Rm 7	Negative	0.15	0.16
DOOR CASING TO PORCH	WOOD	A	POOR	WHITE	914	SECOND	Rm 7	Negative	0.01	0.05
DOOR JAMB TO PORCH	WOOD	A	POOR	WHITE	914	SECOND	Rm 7	Negative	0.01	0.07
DOOR SLAB TO PORCH	WOOD	A	POOR	BROWN	914	SECOND	Rm 7	Negative	0.13	0.18
BASEBOARD	WOOD	A	POOR	WHITE	914	SECOND	Rm 7	Negative	0.04	0.07
FLOOR	WOOD		POOR	BROWN	914	SECOND	Rm 7	Negative	0.13	0.08
WALL	PLASTER	A	POOR	WHITE	914	SECOND	PORCH	Negative	0.04	0.05
WALL	PLASTER	B	POOR	WHITE	914	SECOND	PORCH	Negative	0.05	0.08
WALL	PLASTER	C	POOR	WHITE	914	SECOND	PORCH	Negative	0.02	0.03
WALL	PLASTER	D	POOR	WHITE	914	SECOND	PORCH	Negative	0.03	0.04
WINDOW CASING	WOOD	B	POOR	WHITE	914	SECOND	PORCH	Negative	0.07	0.16
WINDOW SASH	WOOD	B	POOR	WHITE	914	SECOND	PORCH	Negative	0.04	0.1
WINDOW STOOL	WOOD	B	POOR	WHITE	914	SECOND	PORCH	Negative	0.03	0.07
WINDOW CASING	WOOD	C	POOR	WHITE	914	SECOND	PORCH	Positive	12	3.8
WINDOW SASH	WOOD	C	POOR	WHITE	914	SECOND	PORCH	Positive	1.9	0.5
WINDOW STOOL	WOOD	C	POOR	WHITE	914	SECOND	PORCH	Positive	5.5	2.1
DOOR CASING TO RM 7	WOOD	C	POOR	WHITE	914	SECOND	PORCH	Negative	0.04	0.15
DOOR JAMB TO RM 7	WOOD	C	POOR	WHITE	914	SECOND	PORCH	Negative	0.02	0.05
DOOR TO RM 7	WOOD	C	POOR	BROWN	914	SECOND	PORCH	Negative	0.03	0.1



FLOOR	WOOD		POOR	RED	914	SECOND	PORCH	Negative	0.04	0.04
THRESHOLD	WOOD	C	POOR	RED	914	SECOND	PORCH	Negative	0.08	0.1
THRESHOLD	WOOD	C	POOR	RED	914	SECOND	PORCH	Negative	0.08	0.06
WALL	PLASTER	A	POOR	WHITE	914	SECOND	STAIR	Negative	0.18	0.25
WALL	PLASTER	D	POOR	WHITE	914	SECOND	STAIR	Positive	1.7	0.6
WALL	PLASTER	C	POOR	WHITE	914	SECOND	STAIR	Positive	1.6	0.5
DOOR										
CASING TO										
RM 6	WOOD	C	POOR	WHITE	914	SECOND	STAIR	Negative	0.16	0.36
DOOR JAMB										
TO RM 6	WOOD	C	POOR	WHITE	914	SECOND	STAIR	Negative	0.03	0.08
DOOR SLAB										
TO RM 6	WOOD	C	POOR	WHITE	914	SECOND	STAIR	Negative	0.3	0.44
DOOR										
CASING TO										
RM 7	WOOD	D	POOR	WHITE	914	SECOND	STAIR	Negative	0.17	0.3
DOOR JAMB										
TO RM 7	WOOD	D	POOR	WHITE	914	SECOND	STAIR	Negative	0.09	0.15
DOOR SLAB										
TO RM 7	WOOD	D	POOR	WHITE	914	SECOND	STAIR	Negative	0.3	0.48
DOOR										
CASING TO										
BATH	WOOD	A	POOR	WHITE	914	SECOND	STAIR	Negative	0.17	0.44
DOOR JAMB										
TO BATH	WOOD	A	POOR	WHITE	914	SECOND	STAIR	Negative	0.18	0.23
DOOR SLAB										
TO BAT	WOOD	A	POOR	WHITE	914	SECOND	STAIR	Negative	0.03	0.07
RISER	WOOD	D	POOR	YELLOW	914	SECOND	STAIR	Positive	1.7	0.3
TREAD	WOOD	D	POOR	YELLOW	914	SECOND	STAIR	Positive	1.9	0.6
STRINGER	WOOD	D	POOR	WHITE	914	SECOND	STAIR	Positive	1.4	0.4
WALL	PLASTER	D	POOR	WHITE	914	SECOND	STAIR	Negative	0.12	0.44
WALL	PLASTER	D	POOR	WHITE	914	SECOND	STAIR	Negative	0	0.06
WALL	PLASTER	A	POOR	WHITE	914	SECOND	STAIR	Positive	1.6	0.7
WALL	PLASTER	B	POOR	WHITE	914	SECOND	STAIR	Positive	1.7	1
WINDOW										
CASING	WOOD	B	POOR	WHITE	914	SECOND	STAIR	Negative	0.4	0.7
WINDOW										
SASH	WOOD	B	POOR	WHITE	914	SECOND	STAIR	Negative	0.18	0.28
WINDOW										
STOOL	WOOD	B	POOR	WHITE	914	SECOND	STAIR	Negative	0.04	0.09
STRINGER	WOOD	B	POOR	WHITE	914	SECOND	STAIR	Positive	1.6	0.4
DOOR SLAB	WOOD	A	POOR	PINK	914	SECOND	STAIR	Positive	2.4	0.6
WINDOW										
CASING										
LOWER	WOOD	B	POOR	WHITE	914	SECOND	STAIR	Negative	0.09	0.11
WINDOW										
SASH										
LOWER	WOOD	B	POOR	WHITE	914	SECOND	STAIR	Negative	0.15	0.27

Amended 12/20/07



WALL	PLASTER	A	POOR	YELLOW	914	SECOND	BATHROOM	Positive	4.8	2.7
WALL	PLASTER	B	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.9	2.6
WALL	PLASTER	C	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.4	0.8
WALL	PLASTER	B	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.7	0.4
WALL	PLASTER	A	POOR	YELLOW	914	SECOND	BATHROOM	Negative	0.5	0.2
DOOR	PLASTER	C	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.1	0.2
BASEBOARD	PLASTER	C	POOR	YELLOW	914	SECOND	BATHROOM	Positive	1.2	0.2
WALL	PLASTER	A	POOR	TAN	914	FIRST	STAIR	Negative	0.08	0.06
WALL	PLASTER	B	POOR	TAN	914	FIRST	STAIR	Negative	0.3	0.14
WALL	PLASTER	D	POOR	TAN	914	FIRST	STAIR	Negative	0.11	0.1
BASEBOARD	WOOD	D	POOR	GREEN	914	FIRST	STAIR	Negative	0.08	0.08
BASEBOARD	WOOD	B	POOR	GREEN	914	FIRST	STAIR	Negative	0.5	0.4
BASEBOARD	WOOD	A	POOR	GREEN	914	FIRST	STAIR	Negative	0.6	0.3
TREAD	WOOD	B	POOR	BLUE	914	FIRST	STAIR	Positive	2.1	0.9
RISER	WOOD	B	POOR	BLUE	914	FIRST	STAIR	Positive	3.1	1
STRINGER	WOOD	B	POOR	BLUE	914	FIRST	STAIR	Positive	2.2	0.9
WINDOW										
FRAME	WOOD	D	POOR	WHITE	914	FIRST	STAIR	Positive	1.5	1
WINDOW										
SASH	WOOD	D	POOR	WHITE	914	FIRST	STAIR	Positive	1	0.4
WALL	CONCRETE	D	POOR	WHITE	914	FIRST	STAIR	Negative	0.01	0.03
WALL	CONCRETE	D	POOR	WHITE	914	FIRST	STAIR	Negative	0.6	0.3
WALL	CONCRETE	D	POOR	WHITE	914	FIRST	STAIR	Negative	0.04	0.08
FLOOR	CONCRETE		POOR	GREEN	914	FIRST	STAIR	Negative	0.11	0.09
COLUMN	CONCRETE		POOR	WHITE	914	FIRST	STAIR	Negative	0.02	0.05
COLUMN	CONCRETE		POOR	WHITE	914	FIRST	STAIR	Negative	0	0.02
COLUMN	METAL		POOR	WHITE	914	FIRST	STAIR	Negative	0	0.03
WALL	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	2.4	1.2
WALL	WOOD	B	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	3.1	1.6
WALL	WOOD	C	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	5.1	3.9
WALL	WOOD	D	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	4.6	2.1
WINDOW										
CASING	WOOD	A	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	5.8	2.5
WINDOW										
SASH	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	4.5	2.2
WINDOW										
EXT SILL	WOOD	A	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	9.8	5.6
WINDOW										
CASING	WOOD	B	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	4.4	0.2
WINDOW										
SASH	WOOD	B	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	5.1	2.1
WINDOW										
EXT SILL	WOOD	B	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	8	5.8
DOOR										
CASING TO										
PORCH	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	6.9	4.6



DOOR JAMB TO PORCH	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	3.3	2.2
DOOR SLAB TO PORCH	WOOD	A	POOR	RED	914	FIRST	HOUSE EXT	Negative	0.26	0.39
DOOR SLAB TO STAIR	WOOD	A	POOR	RED	914	FIRST	HOUSE EXT	Negative	0.12	0.15
DOOR CASING TO STAIR	WOOD	A	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	5.1	2.3
THRESHOLD	WOOD	A	POOR	GREEN	914	FIRST	HOUSE EXT	Positive	2.4	0.6
PORCH FLOOR	CONCRETE	A	POOR	GREEN	914	FIRST	HOUSE EXT	Negative	0.21	0.25
PORCH STEPS	CONCRETE	A	POOR	GREEN	914	FIRST	HOUSE EXT	Negative	0.12	0.1
PORCH RISER	CONCRETE	A	POOR	GREEN	914	FIRST	HOUSE EXT	Negative	0.17	0.1
FOUND	CONCRETE	A	POOR	GREEN	914	FIRST	HOUSE EXT	Negative	0.4	0.6
FOUND	CONCRETE	B	POOR	GREEN	914	FIRST	HOUSE EXT	Negative	0.26	0.49
PORCH FLOOR	WOOD	B	POOR	GREEN	914	FIRST	OUTSIDE	Negative	0.11	0.09
PORCH RISER	WOOD	B	POOR	GREEN	914	FIRST	OUTSIDE	Negative	0.01	0.05
PORCH STEP	WOOD	B	POOR	GREEN	914	FIRST	OUTSIDE	Positive	13.4	6.8
DOOR CASING	WOOD	B	POOR	GREEN	914	FIRST	OUTSIDE	Positive	12.3	8.2
DOOR SLAB	WOOD	B	POOR	WHITE	914	FIRST	OUTSIDE	Positive	1.3	0.24
CEILING	WOOD	B	POOR	WHITE	914	FIRST	OUTSIDE	Positive	13	7.7
BEAM	WOOD	B	POOR	WHITE	914	FIRST	OUTSIDE	Positive	12.5	8.2
DOOR CASING	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	11.8	7.2
DOOR JAMB	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	9.4	5.2
DOOR SLAB	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	13.9	6.8
DOOR CASING	WOOD	C	POOR	GREEN	914	FIRST	OUTSIDE	Positive	13.3	3.3
DOOR JAMB	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	14.7	7.8
DOOR SLAB	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Positive	5.3	2.4
DOOR BILCO HOUSING	METAL	C	POOR	GREEN	914	FIRST	OUTSIDE	Negative	0	0.02
BILCO COLUMN	METAL	C	POOR	GREEN	914	FIRST	OUTSIDE	Negative	0	0.02
PORCH FOUND	WOOD	C	POOR	WHITE	914	FIRST	OUTSIDE	Negative	0	0.02
FOUND	CONCRETE	C	POOR	GREEN	914	FIRST	HOUSE EXT	Negative	0.44	0.3
FOUND	CONCRETE	D	POOR	GREEN	914	FIRST	HOUSE EXT	Negative	0.36	0.4
WINDOW CASING	WOOD	D	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	4.8	1.5
WINDOW SASH	WOOD	D	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	5.5	2.1
WINDOW	WOOD	D	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	4.4	2.6

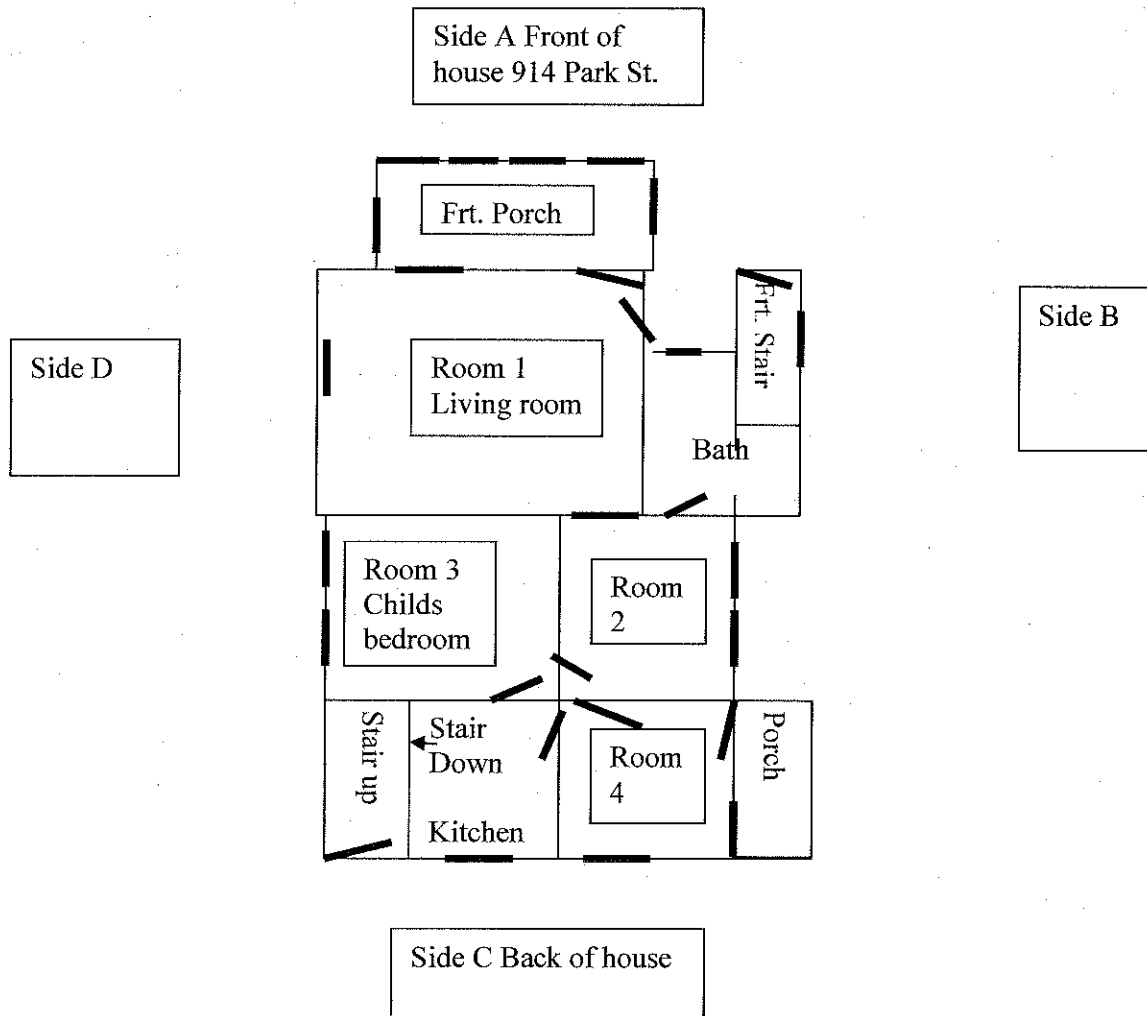


EXT SILL

FASCIA	WOOD	B	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	8	5.8
SOFFIT	WOOD	B	POOR	WHITE	914	FIRST	HOUSE EXT	Positive	12.56	2.3
WALK	CONCRETE	A	POOR	RED	914	FIRST	HOUSE EXT	Negative	0.02	0.02
CALIBRATE								Positive	1	0.01
CALIBRATE								Positive	1.1	0.02
CALIBRATE								Positive	2.3	0.31

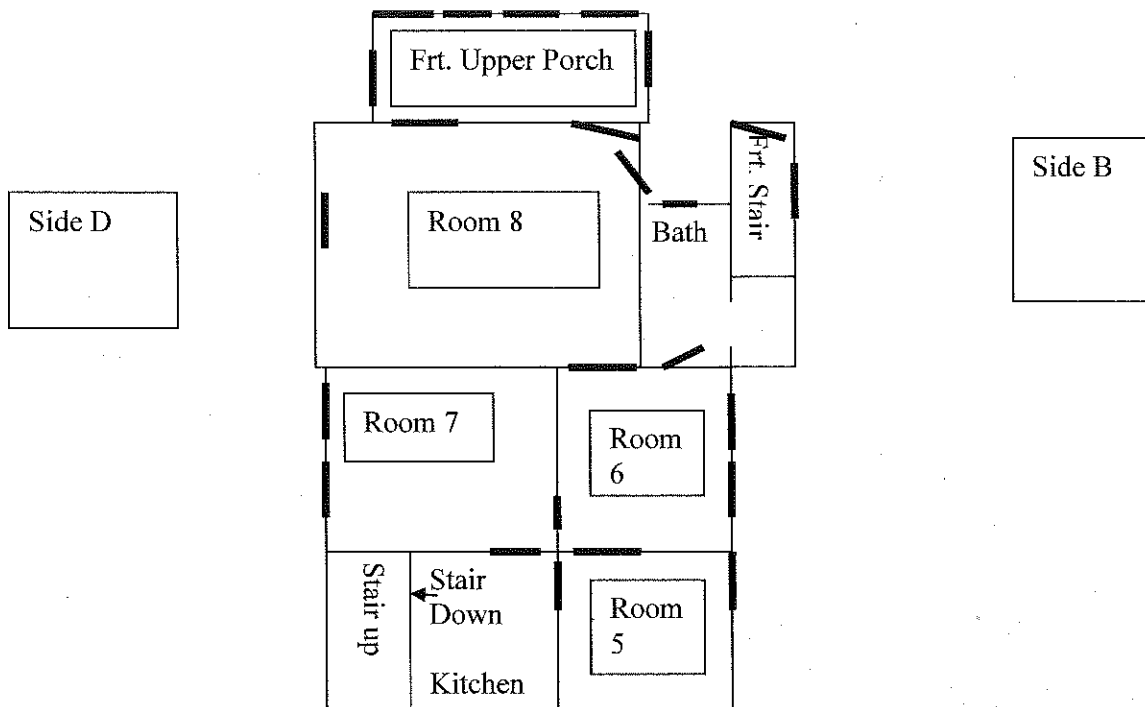


## 9.2 Floor Plan





9.21 Second Floor Plan

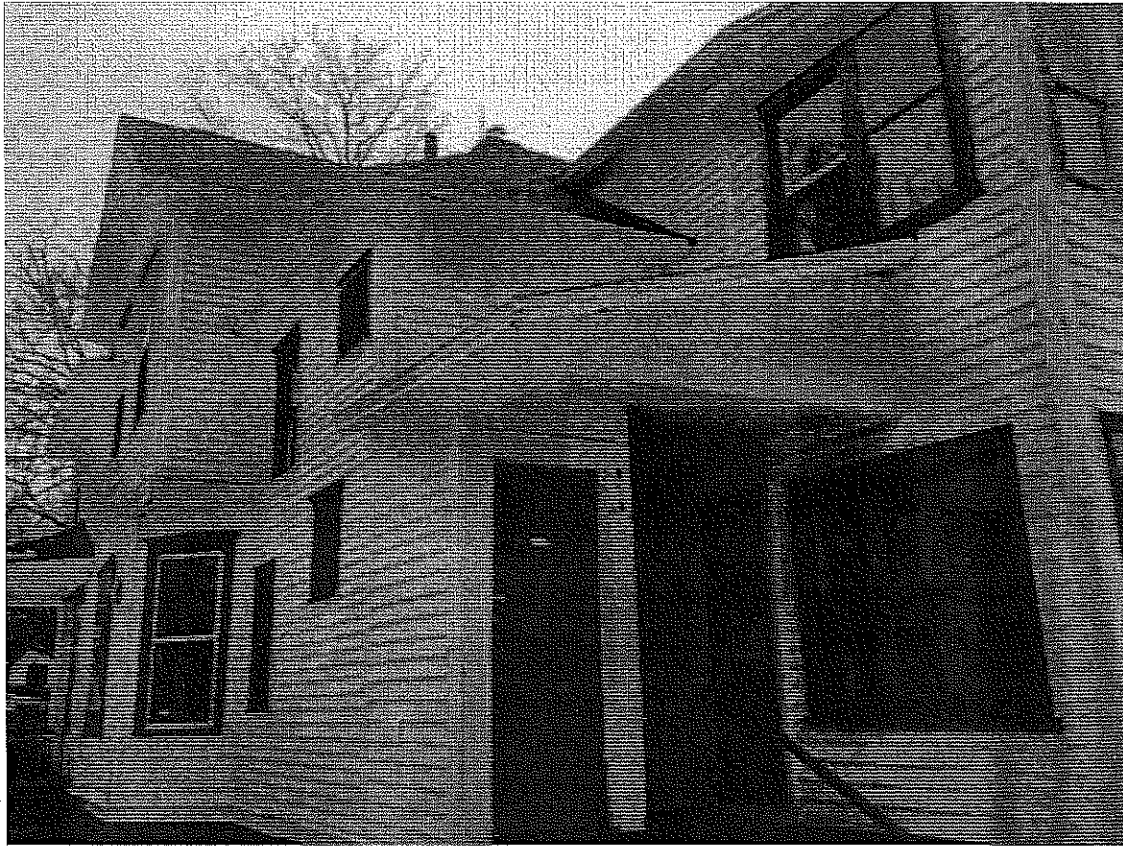




## Representative Pictures













December 3, 2013

RE: Property Located at: 404 Fairview St. Lansing MI 48912

Dear Homeowner,

Maintaining a clean and healthy home is an important part in keeping your family healthy and safe. A brief Healthy Homes Preliminary Field Investigation has been conducted at the address listed above. The inspector was looking for health and safety hazards within the home that could lead to negative health effects. If the investigation below indicates a deficiency, it is recommended that you refer to the "A Guide to a Healthy Home" brochure for resources and tips on how to manage it. The most significant observations and a page number reference are highlighted below:

Deficiency Reported	"A Guide to a Healthy Home" Page Number

Of you have any further questions or comments, please visit our website at [www.michigan.gov/healthyhomes](http://www.michigan.gov/healthyhomes) or contact Courtney Wisinski at [wisinskic@michigan.gov](mailto:wisinskic@michigan.gov) or (517) 335-8252.

Sincerely,

Courtney L. Wisinski  
MDCH, Healthy Homes Project Manager



## HEALTHY HOMES PRELIMINARY FIELD INVESTIGATION

### HOMEOWNER QUESTIONNAIRE

#	Deficiency Question	HHRS #	Homeowner Response	Additional Info	Hazard Score Admin Use Only
1	Have you had any leaks or water damage in the home in the last year?	1	No		
2	Has anyone seen or smelled a mold or musty odor inside the home in the past year?	1	No		
3	Has anyone smelled gas leak (i.e. rotten egg smell) in the past year?	6, 9, 15	No	I	
4	Is there a working heating system in the home?	1, 2, 6, 9	Yes		
5	Does the water heater work?	1, 2, 6, 9, 15	Yes		
6	Have evidence of cockroaches, mice or rats been seen in the home in the past year?	15	No		
7	Have you or your landlord have the home treated for bugs in the past year?	5, 15	Yes	It was treated this past summer.	
8	Do you feel safe and secure from intruders inside your home?	12	Yes		
9	Is there a large source of noise in the home (can be from inside or outside)?	14	Yes	Furnace	
10	Has anyone smoked inside the home in the past year?	6, 9, 10	No		
11	Have you had your home tested for radon in the past year?	8	No		



**VISUAL ASSESSMENT**

Hazard	#	Deficiency	Visual Inspection		Hazard Score Admin Use Only
<b>Mold and Moisture</b>	12	Is there at least one working window in each room?	No	Most rooms are sealed shut	
	13	Is there an exhaust fan in kitchen?	No	<input type="checkbox"/> No If not, is there a window that opens?	
	14	Is there an exhaust fan in the bathroom where the family showers or bathes?	No	If not, is there a window that opens? No	
		Is there evidence of any of the following:			
	15	Water staining?	No		
	16	Condensation?	No		
	17	Water leaks?	No		
	18	Mold/mildew?	No		
	19	Do the toilets, sinks and bathtubs work and drain properly? Bath sink does not work and toilet is a very slow drain.	Yes		
	20	Does the floor drain in the basement appear to work properly?	Yes		
	21	Is there a working clothes dryer present?	Not present		
	22	Does water spill onto the siding or foundation due to missing or broken gutters/downspouts?	Yes – gutters not present	All around foundation	
	23	Do you see any problems with the roof and/ or chimney (i.e. sagging, holes, or missing materials)?	No		



Hazard	#	Deficiency	Visual Inspection	Additional Info	Hazard Score Admin Use Only
<b>Indoor Air Quality</b>	24	Does the heating system use a fuel burning appliance (such as oil or gas)?	No		
	25	If it is a forced air system, is there visual dust or debris on or around the vents/returns?	No		
	26	Is there a gas water heater in the home?	Yes	If yes, is it vented properly? <b>Yes</b>	
	27	Is there a gas stove in the home?	No		
	28	Is there a working carbon monoxide detector present in the home?	Yes	If yes, is it placed near the sleeping areas? X No	
	29	Is there any exposed/damaged insulation present?  (i.e. attic, pipes, ducts)	Yes	If yes, note locations: <b>Heat ducts</b>	
	30	Is there evidence of smoking in the home?	No		
	31	Can you see or smell evidence of cleaning products, air fresheners, pesticides or new products that are off-gassing?	No		
	32	Does the kitchen and bathroom(s) have floors, walls and worktops that are easy to clean?	Yes		
<b>Pests</b>	33	Is there evidence of pests (i.e. traps, droppings, dead pests)?	No		
	34	Are there opening or gaps that allow pests into the home?	No		
	35	Is there soil or vegetation in contact with the house that would aid in pests harborage?	No		
	36	Is there accumulation of un-covered trash in the home or yard?	No		



Hazard	#	Deficiency	Visual Inspection	Additional Info	Hazard Score Admin Use Only
<b>Falls and Safety</b>	37	Are there non-slip surfaces or grab bar present in the bathtub(s)	No	If no, note locations: <b>Bath tub</b>	
	38	Are stairs sturdy and in good condition?	No	Cellar stairs	
	39	Are stair railings sturdy and in good condition?	No	Cellar stairs	
	40	Are porches and balconies in sturdy and good condition?	Yes		
	41	Are stairwells adequately lighted?	Yes		
	42	Are there missing outlets, junctions or switch plate covers?	Yes- parent bedroom		
	43	Are there GFCI outlets in the kitchen and bathroom(s)?	Yes- bathroom No		
	44	Are there adequate outlets to run household appliances?	Yes		
	45	Are there smoke detectors present on each level and each sleeping area of the home	NO	There is only 1 on each floor	
	46	Is there a fire extinguisher present in the home?	Yes	Door going to basement	
	47	Are there combustible/flammable products stored near gas appliances?	No		
	48	Are the exterior area adequately lighted?	Yes		
	49	Are radiators or other hot surfaces accessible to children?	No		
	50	Are there locks present on the exterior doors?	Yes		
	51	Are there structural hazards present?	No		
52		Any other notable deficiencies present?	NO		







From	<b>Midwest Environmental Services</b> <b>Midwest Builders</b> 16850 120 <sup>th</sup> Ave Ste B Nunica MI 49448 616-837-0000 _Office 616-837-6656 _Fax <a href="mailto:Midwestbox67@aol.com">Midwestbox67@aol.com</a>	Proposal for <u>915 N Park St</u> <u>Kalamazoo MI</u> <u>49007</u>
To	<b>Brandi Crawford</b> 915 N Park St Kalamazoo MI 49007 269-532-2850 E-mail <a href="mailto:bcrawfordkc@gmail.com">bcrawfordkc@gmail.com</a>	
Item #	<b>Exhibit A Work Description</b> This a Lead remediation project, based off the findings of XRF (X-ray florescent ) Lead Paint analyzer readings We are addressing all hazards that are above 1.0 mg per sq centimeter How these hazards will be addressed are determined by the findings of The State of Michigan licensed Risk Assessment Report & the homeowner's renovation needs	Price
# 1	Replace all windows in home with vinyl replacement windows Energy star rated double hung ½ screen, white in color	\$ 14,000.00
# 2	Install 3 carbon monoxide detectors Install 3 smoke detectors where needed Install one fire extinguisher in home	\$ 345.00
# 3	Floor room 3 Apply encapsulation, & cover surface with luan	\$ 450.00
# 4	Door system's replace all exterior doors with steel doors same size Includes new hardware, key & lock & deadbolt	\$ 3,500.00
# 5	Exterior siding Side home with double 4 vinyl siding & all accessories install soffit & fascia where needed wrap all windows	\$ 12,500.00
# 6	Stairway- Apply encapsulation to steps, risers, stringers & landing Install vinyl runners with bull nose Includes both stair ways 1 <sup>st</sup> & 2 <sup>nd</sup> floor	\$ 800.00
# 7	2 <sup>nd</sup> floor kitchen & 1 <sup>st</sup> floor kitchen- Remove all cabinets	\$ 200.00
# 8	Porch steps side B remove	\$ 75.00
# 9)	Install Dog ear fence, 108 ft in 8 ft sections, Including 4 X 4 wolmanized posts. Fix 1 section in back of home. Spray paint yard side of fence white	\$ 1,690.00
#10)	Tear down rear porch & rear roof over porch. Build to code 4 X 10 deck Including steps, roof, handrails using wolmanized materials on all exposed components	\$ 2,639.00
# 11)	Add Closet to bedroom downstairs 4 ft long, stud ,drywall includes 1 shelf & 1 closet rod	\$ 400.00
# 12)	A) Install Luann where needed for vinyl floor. Luann sub-floor underlayment for vinyl allowance \$3.25 sq ft B) Install vinyl, Vinyl allowance \$10 - \$12.00 per sq yard C) Install Carpet, Carpet allowance \$ 10-12.00 per sq yard D) Installation of flooring & underlayment -Floor prep/tac strip/ seam sealer/ transitions all done by builder	\$ 6790.00



# 13)	Install new light fixture in downstairs bathroom & fix connection	\$ 69.00
# 14)	Replace interior trim including Window/door but not baseboard Install all new 6 panel masonite interior doors, Install new hardware, knobs & hinges on new doors. Doors to keep are door to downstairs porch & door to up stairs porch	\$ 4,460.00
# 15)	Remove toilet in bathroom fix floor Install new toilet. Repair any plumbing issues to secure. Connect toilet Bathrooms up & down	\$ 790.00
# 16)	Upstairs bathroom new 30-32" vanity include mirror over sink check & repair any plumbing issues includes new supply lines shut off valves & faucet	\$ 490.00
# 17)	Down Stairs bathroom Install new 3 piece tub/shower unit includes new faucet. New shut off valves, drain shower lines & shower head	\$ 2160.00
# 18)	Up stairs Bath Install new 30-36" Vanity, sink, counter, Faucet, new supply lines new drain trap & new vanity mirror	\$ 620.00
# 19)	Build in corner downstairs bath a shelf system for bathroom accessories	\$ 200.00
# 20)	Paint entire interior of home includes prime walls, ceiling trim 1 prime 1 coat white	\$ 2,997.00
# 21)	Porch trim in downstairs & upstairs is in good condition The trim around window's is fine & does not need replacing	None
# 22)	Kitchen cabinets upper & lower allowance Oak or Maple	\$ 990.00
# 23)	Kitchen Formica top installed with sink/faucet/ supply lines/ trap/ shut off valves. Fix Stove line, install shut off valves. Install GFI in Kitchen	\$ 2,170.00
# 24)	Through out Entire Home install new white outlet/plug in /switch covers Fix GFI if needed	\$ 1,190.00
# 25)	Install washer/dryer hookup includes plumbing hook-up & electric dryer hook-up	\$ 590.00
# 26)	Driveway from sidewalk to 8 ft from back of home. Install gravel Allow rain run off Put to grade	\$ 980.00
# 27)	Living area in home finish/fix/repair drywall. Knock down finish. All rooms except both porches as they are in good condition	\$ 7,920.00
# 28)	Side Porch leave roof. Build new deck same size with step, rails using wolmanized material	\$ 940.00
# 29)	Basement-Paint all walls that are white & floor. Wall will be part white Floor will be epoxy	\$ 690.00
# 30)	Dig up concrete pavers on both sides of driveway	\$ 92.00
# 31)	Window in Kitchen Reduce size to accommodate new kitchen cupboard & countertop	\$ 216.00
# 32)	Install gutters where needed with down spouts & extensions to move water away from home	\$ 975.00
# 33)	Remove 2 cloths line poles in back yard	\$ 92.00
# 34)	Remove Concrete in front of back porch	\$ 275.00



#35	Soil Remediation	\$ 1,200.00
Add Ons		
#36	Microwave Install microwave Allowance \$ 325.00	\$ 325.00
#37	Dishwasher Install dishwasher Allowance \$ 325.00	\$ 325.00
#38	Paint foundation block outside	\$ 400.00

**Total amount \$74,545.00**

<p>All Debris hauled from site &amp; clean up included</p> <p>All Permits included</p> <p>A Lead Paint clearance Inspection at job completion</p> <p>Insuring Home is lead safe</p>
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<u>Add On 's</u> <u>Or changes</u>	<u>Exhibit B</u> <u>By Homeowner</u> <u>Not included</u> <u>in Original description of work or in total</u> <u>amount of costs</u>	
	Front porch concrete	
	Coal Shoot	
	Electrical Service	
	Cement around bilge door	
	Remove exterior steel door in back to upper apartment	

Please sign & date to agree to work specifications:

Brandi Crawford

2013



**Midwest Training Services**  
**Midwest Environmental Services**

**Midwest Builders**

16850 120<sup>th</sup> Ave, Ste B Nunica, MI 49448

616-837-0000 or 616-837-6005

Fax 616-837-6656

E-mail [Midwestbox67@aol.com](mailto:Midwestbox67@aol.com)

Date April 29 2013  
To Brandi Crawford  
915 N Park St  
Kalamazoo MI 49007  
Phone 269-532-2850

This is a legal & binding agreement between Midwest Environmental Services  
& Brandi Crawford. For the rehabilitation services of the Residential home located at

**915 N Park St Kalamazoo MI 49007**

(Parcel # 06-15-122-200 located in City of Kalamazoo)

The Specifications of the rehabilitation agreement are listed in the work description Exhibit A.  
Under this Rehabilitation Contract all work being performed is listed with the price.

If further work is needed but not included or listed in work Description Exhibit A it is not part of this  
Rehabilitation Contract Total amount of this contract is **\$ 74,545.00**  
(Seventy four thousand five hundred forty five dollars & no cents)

Please sign & date to agree to this contract

\_\_\_\_\_  
Brandi Crawford Homeowner

\_\_\_\_\_  
Date 2013

\_\_\_\_\_  
Michael Fehler Agent for Midwest Environmental

\_\_\_\_\_  
Date 2013



